

# CONTRERAS LEGAL STRATEGY LLC

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November 12, 2013

Keith B. Davis, Esq.  
Jones Day  
51 Louisiana Ave. NW  
Washington, DC 20001-2113

Re: Subpoena ("Subpoena") dated October 23, 2013 issued to the Internet Society in Civ. Action No. 6:12-cv-245 in the U.S. District Court for the Eastern District of Texas (Smartphone Technologies LLC v. Huawei Device USA Inc.) (the "Litigation")

Dear Mr. Davis:

I represent the Internet Engineering Task Force (IETF). We are in receipt of the above-referenced Subpoena. Pursuant to Fed. R. Civ. P. 45(c)(2)(B), this letter offers responses to certain requests made in the Subpoena and objections to others, each as specifically enumerated below.

Please note that many IETF working group mailing lists are archived by third parties, indexed by Google and accessible to the public via the Internet. We invite you to search these archives for any information that may be of use to you. We have not undertaken searches of third party archives in response to the Subpoena.

## **Specific Responses to the Subpoena**

### **Exhibit A: Request for Documents**

1. All Internet Standards-Related Publications relating to RFC 2806, including the documents identified below, any draft versions of such documents, and any other documents describing the use of URLs for telephony (collectively, "RFC 2806 Publications").
  - a. "URLs for Telephone Calls," April 2000, authored by Antti Vaha-Sipila and/or Nokia Mobile Phones, attached as Exhibit E;
  - b. "URLs for Telephony," February 23, 1998, authored by Antti Vaha-Sipila and/or Nokia Mobile Phones, attached as Exhibit F;

- c. "URLs for Telephony," August 26, 1997, authored by Antti Vaha-Sipila and/or Nokia Mobile Phones, attached as Exhibit G;
- d. "Conversational Multimedia URLs," December 16, 1997, authored by Pete Cordell, attached as Exhibit H; and
- e. "Uniform Resource Locators (URL)," December 1994, authored by Tim Berners-Lee, Larry Masinter, Mark McCahill, attached as Exhibit I.

**IETF objects to this request on the grounds that it is vague and overly broad, and that compliance would subject IETF to undue burden and expense. In particular, the meaning of "relating to" is vague and overly broad. IETF document archives are publicly available via the Internet, and other documents of potential interest can be directly identified by the parties.**

- 2. Between 1997 and 2002, documents reflecting discussion(s) or comment(s) about the RFC 2806 Publications.

**To the extent addressing publicly-available documents, IETF objects to this request on the grounds that it is overly broad, and that compliance would subject IETF to undue burden and expense.**

**IETF's non-public "iesg" and "iesg-only" archives are currently not electronically searchable for the period from January 1997 through July 1998. Searching these archives manually would subject IETF to undue burden and expense.**

**An electronic search of IETF's non-public "iesg" and "iesg-only" e-mail archives for the period from August 1998 through December 2002 was conducted using the names the five documents specifically enumerated in Item 1 above (the "Listed Documents"). The resulting documents are contained in the electronic files accompanying this letter and labeled as Exhibit A1 and Exhibit A2.**

- 3. Between 1997 and 2002, documents concerning the availability of the RFC 2806 Publications, including showing the dates on which the RFC 2806 Publications were first made available, the persons who accessed the RFC 2806 Publications and the persons to whom the RFC 2806 Publications were sent.

**To the extent addressing publicly-available documents, IETF objects to this request on the grounds that it is overly broad, and that compliance would subject IETF to undue burden and expense.**

**IETF documents, including the Listed Documents, typically list their publication dates in the document header and are plainly visible in each such document.**

**IETF's non-public "iesg" and "iesg-only" archives are currently not electronically searchable for the period from January 1997 through July 1998. Searching these archives manually would subject IETF to undue burden and expense.**

**An electronic search of IETF's non-public "iesg" and "iesg-only" e-mail archives for the period from August 1998 through December 2002 was conducted to identify additional documents disclosing the publication date of the Listed Documents. The resulting documents are contained in the electronic file accompanying this letter and labeled Exhibit B.**

**IETF does not keep records of persons who accessed particular publications. IETF does not, as a general practice, send publications to third parties not engaged in IETF standardization activities.**

4. Between 1997 and 2002, documents describing your practices regarding the availability of Internet Standards-Related Publications, including, for example, your practices regarding posting, distributing, displaying or disseminating Internet Standards-Related Publications.

**IETF practices relating to the posting, distributing, displaying or disseminating Internet Standards-Related Publications are described in publicly-available documents available on [www.ietf.org](http://www.ietf.org) including, but not limited to, IETF RFC 2026 (<http://www.ietf.org/rfc/rfc2026.txt>).**

5. Documents related to technical development of the RFC 2806 Publications.

**IETF objects to this request on the grounds that it is vague and overly broad, and redundant with requests A.1-A.4 above.**

#### **Exhibit B: Request for Deposition**

1. The authenticity of the RFC 2806 Publications.

**IETF objects to this request on the grounds that a deposition would subject IETF to undue burden and expense. IETF has offered to authenticate specifically-identified documents that are relevant to the Litigation by means of a written affidavit.**

2. The authenticity of any documents identified or produced in response to this subpoena.

**IETF objects to this request on the grounds that a deposition would subject IETF to undue burden and expense. IETF has offered to authenticate specifically-identified documents that are relevant to the Litigation by means of a written affidavit.**

3. Between 1997 and 2002, your awareness and knowledge of the RFC 2806 Publications.

**IETF objects to this request on the grounds that that a deposition would subject IETF to undue burden and expense and it is vague and overly broad and not likely to result in information relevant to the Litigation.**

4. Between 1997 and 2002, the availability of the RFC 2806 Publications, including the date on which the RFC 2806 Publications were first made published or available to members of the public.

**IETF objects to this request on the grounds that that a deposition would subject IETF to undue burden and expense and it is redundant with the request for documents made pursuant to request A.3 above. IETF has offered to attest to the publication dates of IETF documents that are relevant to the Litigation by means of a written affidavit.**

5. Between 1997 and 2002, your practices regarding the availability of Internet Standards-Related Publications, including, for example, your practices regarding posting, distributing, displaying or disseminating Internet Standards-Related Publications.

**IETF objects to this request on the grounds that that a deposition would subject IETF to undue burden and expense and it is redundant with the request for documents made pursuant to request A.4 above.**

6. Between 1997 and 2002, the process of creating an Internet Standard, including as described in the Internet Standards Process RFC.

**IETF objects to this request on the grounds that that a deposition would subject IETF to undue burden and expense and it is redundant with the request for documents made pursuant to request A.4 above. IETF has offered to attest to the authenticity of IETF documents that are relevant to the Litigation by means of a written affidavit.**

IETF considers this matter closed and will take no further action concerning the Subpoena. Please contact me if you wish to discuss this matter.

Very truly yours,

*/s/ Jorge L .Contreras*

Jorge L. Contreras

cc: Ray Pelletier, IETF Administrative Director

## Exhibit A-1

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id PAA21401  
for <iesg-archive@lists.ietf.org>; Mon, 13 Jun 2005 15:55:49 -0400  
(EDT)  
Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1Dhus9-0007FU-BN; Mon, 13 Jun 2005 15:45:25 -0400  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1Dhus8-0007FL-T1  
for iesg@megatron.ietf.org; Mon, 13 Jun 2005 15:45:24 -0400  
Received: from ietf-mx.ietf.org (ietf-mx [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id PAA17417  
for <iesg@ietf.org>; Mon, 13 Jun 2005 15:45:22 -0400 (EDT)  
Received: from [132.151.6.50] (helo=newodin.ietf.org)  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1DhvEU-0006Xs-2o  
for iesg@ietf.org; Mon, 13 Jun 2005 16:08:30 -0400  
Received: from apache by newodin.ietf.org with local (Exim 4.43)  
id 1Dhus8-0004tL-0T  
for iesg@ietf.org; Mon, 13 Jun 2005 15:45:24 -0400  
X-test-idtracker: no  
To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Message-Id: <E1Dhus8-0004tL-0T@newodin.ietf.org>  
Date: Mon, 13 Jun 2005 15:45:24 -0400  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: bdc523f9a54890b8a30dd6fd53d5d024  
Subject: Evaluation: draft-ietf-imapect-2086upd-07.txt to Proposed  
Standard  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

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Evaluation for draft-ietf-imapext-2086upd-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12288&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12288&rfc_flag=0)

Last Call to expire on: 2005-06-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

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^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

imapext mailing list <ietf-imapext@imc.org>,

imapext chair <presnick@qualcomm.com>,

imapext chair <lisa@osafoundation.org>

Subject: Protocol Action: 'IMAP4 ACL extension' to Proposed Standard

The IESG has approved the following document:

- 'IMAP4 ACL extension '

<draft-ietf-imapext-2086upd-07.txt> as a Proposed Standard

This document is the product of the Internet Message Access Protocol Extension Working Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-imapext-2086upd-07.txt>

#### Technical Summary

The ACL (Access Control List) extension (RFC 2086) of the Internet Message Access Protocol (IMAP) permits mailbox access control lists to be retrieved and manipulated through the IMAP protocol. This document is a revision of RFC 2086. It defines several new access control rights and clarifies which rights are required for different IMAP commands.

#### Working Group Summary

The document has been reviewed by key working group members and implementers. Consensus was reached, and there are no known issues risking appeal.

#### Protocol Quality

Scott Hollenbeck has reviewed this specification for the IESG.

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA19930  
for <iesg-archive@lists.ietf.org>; Thu, 16 Jun 2005 18:10:10 -0400

(EDT)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1Dj2Xu-0003tR-1H; Thu, 16 Jun 2005 18:09:10 -0400

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1Dj2Xs-0003tM-CW  
for iesg@megatron.ietf.org; Thu, 16 Jun 2005 18:09:08 -0400  
Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA19800;  
Thu, 16 Jun 2005 18:09:02 -0400 (EDT)  
Message-Id: <200506162209.SAA19800@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org  
Date: Thu, 16 Jun 2005 18:09:01 -0400  
Cc: bfuller@foretec.com, amyk@foretec.com  
Subject: Agenda and Package for June 23, 2005 Telechat  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

## INTERNET ENGINEERING STEERING GROUP (IESG)

Summarized Agenda for the June 23, 2005 IESG Teleconference

This agenda was generated at 17:1:26 EDT, June 16, 2005

### 1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item

- o draft-ietf-sip-identity-05.txt  
Enhancements for Authenticated Identity Management in the Session Initiation Protocol (SIP) (Proposed Standard) - 1 of 7  
Token: Allison Mankin
  - o draft-ietf-ippm-owdp-14.txt  
A One-way Active Measurement Protocol (OWAMP) (Proposed Standard) - 2 of 7  
Note: PROTO shepherd: Henk Uijterwaal, henk@ripe.net  
Token: Allison Mankin
  - o draft-ietf-dhc-dna-ipv4-12.txt  
Detecting Network Attachment (DNA) in IPv4 (Proposed Standard) - 3 of 7  
Token: Margaret Wasserman
  - o draft-ietf-atompub-format-09.txt  
The Atom Syndication Format (Proposed Standard) - 4 of 7  
Note: Paul Hoffman <phoffman@imc.org> is the shepherd for the atompub working group.  
Token: Scott Hollenbeck
  - o draft-ietf-sipping-cc-conferencing-07.txt  
Session Initiation Protocol Call Control - Conferencing for User Agents (BCP) - 5 of 7  
Note: PROTO shepherd: gonzalo.camarillo@ericsson.com. Revised for GEN-ART review - version -07 submitted.  Please read: .  
<http://ee.wustl.edu/~alan/draft-ietf-sipping-cc-conferencing-07.txt>  
Token: Allison Mankin
  - o draft-ietf-imapext-2086upd-07.txt  
IMAP4 ACL extension (Proposed Standard) - 6 of 7  
Note: Proto shepherd is Lisa Dusseault  
<lisa@osafoundation.org>  
Token: Scott Hollenbeck
  - o draft-ietf-smime-certcapa-05.txt  
X.509 Certificate Extension for S/MIME Capabilities (Proposed Standard) - 7 of 7  
Token: Russ Housley
- ### 2.1.2 Returning Item
- o draft-ietf-ldapbis-protocol-31.txt  
LDAP: The Protocol (Proposed Standard) - 1 of 3  
Token: Ted Hardie

- o draft-ietf-nntpext-base-27.txt

Network News Transfer Protocol (Proposed Standard) - 2 of 3

Note: Document shepherd: Russ Allbery <rra@stanford.edu>.

Returning

to secure positive ballots needed due to AD changes since the document was

last reviewed.

Token: Scott Hollenbeck

- o draft-ietf-simple-xcap-07.txt

The Extensible Markup Language (XML) Configuration Access Protocol (XCAP)

(Proposed Standard) - 3 of 3

Note: Returning to see if we can clear Margaret's discuss.

Token: Ted Hardie

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-zeilenga-ldap-x509-01.txt

Lightweight Directory Access Protocol (LDAP) schema definitions for X.509

Certificates (Proposed Standard) - 1 of 4

Token: Ted Hardie

- o draft-zeilenga-ldap-assert-05.txt

The LDAP Assertion Control (Proposed Standard) - 2 of 4

Token: Ted Hardie

- o draft-zeilenga-ldap-t-f-10.txt

LDAP Absolute True and False Filters (Proposed Standard) - 3 of 4

Token: Ted Hardie

- o draft-zeilenga-ldap-readentry-04.txt

LDAP Read Entry Controls (Proposed Standard) - 4 of 4

Token: Ted Hardie

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-rohc-over-reordering-03.txt  
 RObust Header Compression (ROHC): ROHC over Channels that can  
 Reorder  
 Packets (Informational) - 1 of 2  
 Note: PROTO shepherd: lars-erik.jonsson@ericsson.com  
 Token: Allison Mankin
- o draft-ietf-sipping-torture-tests-07.txt  
 Session Initiation Protocol Torture Test Messages (Informational) -  
 2 of 2  
 Token: Allison Mankin

### 3.1.2 Returning Item

- o draft-ietf-dnsop-ipv6-dns-issues-10.txt  
 Operational Considerations and Issues with IPv6 DNS (Informational)  
 - 1 of 1  
 Note: To check on the status of the resolution of Thomas DISCUSS.  
 Token: David Kessens

## 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a  
 reasonable  
 contribution to the area of Internet engineering which it covers?  
 If  
 not, what changes would make it so?"

### 3.2.1 New Item

- o draft-hoehrmann-script-types-03.txt  
 Scripting Media Types (Informational) - 1 of 4  
 Token: Scott Hollenbeck
- o draft-mccobb-xplusv-media-type-04.txt  
 XHTML+Voice - application/xhtml-voice+xml (Informational) - 2 of 4  
 Token: Scott Hollenbeck
- o draft-froumentin-voice-mediatypes-02.txt  
 The W3C Speech Interface Framework Media Types: application/voicexml  
 +xml,  
 application/ssml+xml, application/srgs, application/srgs+xml,  
 application/ccxml+xml and application/pls+xml (Informational) - 3 of  
 4  
 Token: Scott Hollenbeck
- o draft-hoffman-hash-attacks-04.txt  
 Attacks on Cryptographic Hashes in Internet Protocols  
 (Informational) - 4  
 of 4  
 Token: Russ Housley

### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

Other matters may be recorded in comments to be passed on to the RFC Editor as community review of the document.

#### 3.3.1 New Item

NONE

#### 3.3.2 Returning Item

NONE

#### 3.3.3 For Action

- o draft-kompella-ccc-02.txt  
Circuit Cross-Connect (Informational) - 1 of 1  
Token: Mark Townsley

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Manet Autoconfiguration (autoconf) - 1 of 3  
Token: Margaret Wasserman
- o Site Multihoming by IPv6 Intermediation (shim6) - 2 of 3  
Token: Margaret Wasserman
- o Calendaring and Scheduling Standards Simplification (calsify) - 3 of 3  
Token: Ted Hardie

#### 4.1.2 Proposed for Approval

- o Layer 1 Virtual Private Networks (l1vpn) - 1 of 2  
Token: Alex Zinin
- o Transparent Interconnection of Lots of Links (trill) - 2 of 2  
Token: Margaret Wasserman

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

4.2.2 Proposed for Approval

o Protocol for carrying Authentication for Network Access (pana) - 1  
of 1

Token: Mark Townsley

5. IAB News We can use

6. Management Issue

7. Agenda Working Group News

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the June 23, 2005 IESG Teleconference

This package was generated at 17:1:26 EDT, June 16, 2005.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, June 23, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Brian Carpenter---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in  
David Kessens---Will call in  
Allison Mankin---Will call in  
Dave Meyer---Will call in  
Ray Pelletier---Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Barbara Roseman---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

Country	Number
Argentina Dial-In #:	08006660275
Australia Dial-In #:	1800004017
Austria Dial-In #:	0800293225
Bahamas Dial-In #:	18003890371
Belgium Dial-In #:	080070189
Brazil Dial-In #:	08008916634
China Dial-In #:	108001400446
Colombia Dial-In #:	018009198732
Czech Republic Dial-In #:	800142528
Denmark Dial-In #:	80880221
Dominican Republic Dial-In #:	18887514594
Finland Dial-In #:	0800112488
France Dial-In #:	0800917496
Germany Dial-In #:	08001818365
Greece Dial-In #:	0080016122038903
Hong Kong Dial-In #:	800901760
Hungary Dial-In #:	0680015661
Iceland Dial-In #:	8008234
Indonesia Dial-In #:	008800105397
Ireland Dial-In #:	1800550668
Israel Dial-In #:	1809458905
Japan Dial-In #:	00531160236
Korea (South) Dial-In #:	00308140464
Latvia Dial-In #:	8002033
Lithuania Dial-In #:	880030145
Luxembourg Dial-In #:	80024217
Malaysia Dial-In #:	1800807300
Mexico Dial-In #:	0018005148732
Monaco Dial-In #:	80093175
Netherlands Dial-In #:	08000235265
New Zealand Dial-In #:	0800441382
Norway Dial-In #:	80013184
Poland Dial-In #:	008001114592
Portugal Dial-In #:	800819682
Puerto Rico Dial-In #:	18664031409
Russian Federation Dial-In #:	81080022581012
Saint Kitts and Nevis Dial-In #:	18007449294
South Africa Dial-In #:	0800994887

Spain Dial-In #: 900981518  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905  
Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

1.3 Approval of the Minutes  
DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the June 9, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

-----  
Brian Carpenter / IBM  
Michelle Cotton / ICANN  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / Verisign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Ray Pelletier / ISOC (IAD)  
Jon Peterson / NeuStar, Inc.  
Joyce K. Reynolds / RFC Editor  
Barbara Roseman / ICANN (IANA)  
Dinara Suleymanova / IETF Secretariat  
Mark Townsley / Cisco  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / Nokia  
Bert Wijnen / Lucent

Alex Zinin / Alcatel

## REGRETS

-----  
Leslie Daigle / IAB

Dave Meyer / Cisco/University of Oregon (IAB Liaison)

## MINUTES

### 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the May 26, 2005 IESG Teleconference were approved.  
The Secretariat will place the minutes in the public archives

#### 1.2 Documents Approved since the May 26, 2005 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-avt-rtp-bv-04.txt (Proposed Standard)
- o draft-ietf-ipv6-addr-arch-v4-04.txt (Draft Standard)
- o draft-ietf-ipv6-router-selection-07.txt (Proposed Standard)
- o draft-ietf-lemonade-mms-mapping-04.txt (Proposed Standard)

##### 1.2.2 Document Actions

- o draft-ietf-speechsc-reqts-07.txt (Informational RFC)
- o draft-ietf-tools-draft-submission-09.txt (Informational RFC)
- o draft-lee-rfc4009bis-02.txt (Informational RFC)
- o draft-lilly-field-specification-04.txt (Informational RFC)
- o draft-lilly-text-troff-04.txt (Informational RFC)
- o draft-mraihi-oath-hmac-otp-04.txt (Informational RFC)

#### 1.3 Review of Action Items

DONE:

NONE

DELETED:

NONE

IN PROGRESS:

- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.
- o Jon Peterson to prepare the IESG Projects list to become public

NEW:

NONE

## 1.4 Review of Projects

### 2. Protocol Actions

#### 2.1 WG Submissions

##### 2.1.1 New Item

- o draft-ietf-ipcdn-docsisevent-mib-06.txt - 1 of 9  
Event Notification Management Information Base for DOCSIS Compliant Cable Modems and Cable Modem Termination Systems (Proposed Standard)  
Token: Bert Wijnen

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

- o draft-ietf-tls-psk-08.txt - 2 of 9  
Pre-Shared Key Ciphersuites for Transport Layer Security (TLS) (Proposed Standard)  
Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman.\*

- o draft-ietf-geopriv-dhcp-civil-06.txt - 3 of 9  
Dynamic Host Configuration Protocol (DHCPv4 and DHCPv6) Option for Civic Addresses Configuration Information (Proposed Standard)  
Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Scott Hollenbeck and David Kessens.\*

- o Two document ballot - 4 of 9
    - draft-sparks-sip-nit-problems-02.txt  
Problems identified associated with the Session Initiation Protocol's non-INVITE Transaction (Informational)
    - draft-sparks-sip-nit-actions-03.txt  
Actions addressing identified issues with the Session Initiation Protocol's non-INVITE Transaction (Proposed Standard)
- Token: Allison Mankin

The documents were approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-mmusic-sdp-media-label-01.txt - 5 of 9

The SDP (Session Description Protocol) Label Attribute (Proposed Standard)

Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-sipping-conference-package-11.txt - 6 of 9

A Session Initiation Protocol (SIP) Event Package for Conference State (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Ted Hardie.\*

o draft-ietf-mip6-mipv6-mib-07.txt - 7 of 9

Mobile IPv6 Management Information Base (Proposed Standard)

Token: Margaret Wasserman

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-entmib-state-07.txt - 8 of 9

Entity State MIB (Proposed Standard)

Token: Bert Wijnen

The document was approved by the IESG pending an RFC Editor Note to be prepared by Bert Wijnen. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-tls-rfc2246-bis-12.txt - 9 of 9

The TLS Protocol Version 1.1 (Proposed Standard)

Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley on behalf of IANA.\*

## 2.1.2 Returning Item

NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

NONE

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-grow-bgp-wedgies-02.txt - 1 of 1

BGP Wedgies (Informational)

Token: David Kessens

The document was approved by the IESG pending an RFC Editor Note to be prepared by David Kessens. The Secretariat will send a working group submission Document Action Announcement that includes the RFC Editor Note.

#### 3.1.2 Returning Item

o draft-ietf-dnsop-ipv6-dns-issues-10.txt - 1 of 1

Operational Considerations and Issues with IPv6 DNS (Informational)

Token: David Kessens

The document remains under discussion by the IESG in order to resolve points raised by Margaret Wasserman.\*

### 3.2 Individual Submissions Via AD

#### 3.2.1 New Item

o draft-mealling-epc-urn-00.txt - 1 of 1

A Uniform Resource Name Namespace For The EPCglobal Electronic Product Code (EPC) (Informational)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Bill Fenner.\*

#### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

#### 3.3.1 New Item

o draft-reschke-webdav-property-datatypes-09.txt - 1 of 1

Datatypes for WebDAV properties (Experimental)

Token: Ted Hardie

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be supplied by Ted Hardie.

### 3.3.2 Returning Item

o draft-carroll-dynmobileip-cdma-05.txt - 1 of 1  
Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R)  
Networks (Informational)  
Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by David Kessens.\*

### 3.3.3 For Action

o draft-kompella-ccc-02.txt - 1 of 1  
Circuit Cross-Connect (Informational)  
Token: Mark Townsley

The document was assigned to Mark Townsley.

## 4. Working Group Actions

### 4.1 WG Creation

4.1.1 Proposed for IETF Review  
Layer 1 Virtual Private Networks (l1vpn) - 1 of 1  
Token: Alex Zinin

The IESG approved the draft working group charter for IETF review pending edits to the text of the charter from Alex Zinin. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (06/23/2005).

### 4.1.2 Proposed for IETF Approval

Transparent Interconnection of Lots of Links (trill) - 1 of 1  
Token: Margaret Wasserman

The IESG decided that the proposed charter for the working group had changed significantly, and that it needed to be resent for IETF review pending edits to the text of the charter from Margaret Wasserman. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org.

The Secretariat will place the working group on the agenda in this same category for the next IESG Teleconference (06/23/2005).

## 4.2 WG Rechartering

### 4.2.1 Under evaluation for IETF Review

NONE

### 4.2.2 Proposed for IETF Approval

Protocol for carrying Authentication for Network Access (pana) - 1 of 1  
Token: Mark Townsley

The IESG decided not to approve the revised charter for the working group at this time. The Secretariat will place the working group on the agenda for the next IESG Teleconference (06/23/2005).

## 5. IAB News We Can Use

## 6. Management Issues

### 6.1 IPv6 Geographic Addressing Approaches (David Kessens)

This management issue was discussed. No one on the 06-09-2005 IESG Teleconference supports holding the IPv6 Geographic Addressing Approaches BoF.

### 6.2 Volunteers to Test the Proceedings Submission Tool (Brian Carpenter)

This management issue was discussed.

### 6.3 Introduction to the IAD (Brian Carpenter)

This management issue was discussed. Ray Pelletier was introduced to the IESG.

### 6.4 Formal liaison with Joint SDO (Bert Wijnen)

This management issue was discussed. The IESG sees no need for a formal liaison yet. The current (version of Thursday June 10) draft GGF Press release, draft GGF SCRM WG charter and draft FAQ on the topic are okay and do not raise any concerns. The IETF does not want a specific quote in the press release; Bert will encourage (via ops-nm and various WG mailing lists) NM experts from the IETF to participate in the SCRM WG-to-be.

### 6.5 Expedited Processing for draft-bellovin-mandate-keymgmt-03.txt (Russ

Housley)

This management issue was discussed. The IESG approved the expedited handling request for draft-bellovin-mandate-keymgmt-03.txt.

#### 6.6 Network Address Translation-Protocol Translation BOF (natpt) (David Kessens)

This management issue was discussed. Based on the discussion, David Kessens decided not to hold this proposed BoF for now. David will review a potential BoF on this subject again after the natpt reclassification work has been completed (if such a BoF is requested by the proposers).

#### 7. Working Group News We Can Use

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\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details on documents that are under discussion by the IESG.

#### 1. Administrivia

##### 1.4 Review of Action Items

##### OUTSTANDING TASKS

Last updated: June 13, 2005

IP o Allison Mankin and Thomas Narten to compose a message for the IESG and

IAB related to 3GPP's Release 6 publication deadline and expedited documents.

IP o o Jon Peterson to prepare the IESG Projects list to be public.

#### 1. Administrivia

##### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

#### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the

Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 1 of 7

#### o draft-ietf-sip-identity-05.txt

Enhancements for Authenticated Identity Management in the Session  
Initiation Protocol (SIP) (Proposed Standard)

Token: Allison Mankin

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a  
reasonable basis on which to build the salient part of the

Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 2 of 7

#### o draft-ietf-ippm-owdp-14.txt

A One-way Active Measurement Protocol (OWAMP) (Proposed Standard)

Note: PROTO shepherd: Henk Uijterwaal, henk@ripe.net

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ippm-owdp-14.txt to Proposed Standard

-----

Evaluation for draft-ietf-ippm-owdp-14.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6341&rfc_flag=0)

[command=view\\_id&dTag=6341&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6341&rfc_flag=0)

Last Call to expire on: 2005-06-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]

Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-09]:

From review by Mark Allman. The first and last points certainly need attention.

- + On page 8 it would seem like the mode value should be chosen from the mode values advertised in the message given on page 7. Right? I think it'd be good to say this.
- + The MBZ fields are often mentioned in the context of filling them in with a "string" of zeros. I think a better word could be chosen here. I understand that we're not really placing a string in the packet. But, more explicitly stating that each bit must be of value zero would be nice. (This is a nit and maybe something that could be clarified by the RFC editor.)
- + Another nit... "uptime" seems like the wrong term. I think "StartTime" would be better since this is an absolute time and not a relative time. I.e., it's when the process started, not how long it has been running. (Right?) (Again, could be fixed with an RFC editor note, I am sure.)
- + I am baffled as to the purpose of the IZP field. I think there needs to be a better paragraph as to what the purpose of this field really is.

Scott Hollenbeck:

Comment [2005-06-06]:

Intro:

"The IETF IP Performance Metrics (IPPM) working group has proposed draft standard metrics for one-way packet delay [RFC2679] and loss [RFC2680] across Internet paths."

2679 and 2680 are PROPOSED (not draft) standards.

Russ Housley:

Discuss [2005-06-16]:

The protocol requires automated key management under the soon-to-be-published BCP 107 (see draft-bellovin-mandate-key-mgmt-03). This BCP requires automated key management under most situations and requires explicit justification when manual key management is used. The use of TLS to protect the command channel appears to be a straightforward solution. If this is adopted, please consider DTLS for the test traffic. One approach that deserves consideration is the transfer of a random secret value on the command channel, and then the use of this (now shared secret) value in DTLS with PSK key management. The PSK document from the TLS WG is in IESG Evaluation, so it will be finished soon.

The structure is tightly coupled with a single encryption algorithm. While I have every confidence in AES, it is highly desirable for protocols to be algorithm independent. At a minimum, the protocol ought to carry an algorithm identifier in the first message sent to the server. If the server cannot support the requested algorithm, then an error is provided (which might include a list of the algorithms that the server does support), and then the TCP connection is closed. Given the structures used in this protocol, major changes would be needed to accommodate a cipher that has a block size other than 128 bits. At a minimum, I would like the security considerations to acknowledge this design decision. There are several ciphers with 128-bit blocks, so it is still straightforward to make this protocol less dependent on AES. AES ought to be the mandatory to implement cipher.

Further, the session-key needs to support more than 128-bit AES keys. Since the protocol designers prefer fixed-length messages, this might be accomplished by providing a very long session key that is truncated for use with a particular cipher. This is the approach used in EAP. This approach would accommodate AES-128, AES-192, AES-256, Camellia, SEEK, and many other block ciphers.

A key derivation function (KDF) will also be needed. Currently, the KDF is the encryption of the 16-octet SID by the session key. A KDF that is capable of generating keys of differing sizes is needed.

Section 3.1 says:

>

> If the shared secret is provided as a passphrase (typical for the  
> case of interactive tools) then the MD5 sum [RFC1321] of the  
> passphrase (without possible newline character(s) at the end of the  
> passphrase) MUST be used as the key for encryption by the client and  
> decryption by the server (the passphrase also MUST NOT contain  
> newlines in the middle). This ensures that a passphrase used to  
> generate a secret in one implementation will generate the same  
> secret in another implementation and the implementations will,  
> therefore, be interoperable.

>

I understand the need to specify a means of translating a passphrase into a shared secret. However, PKCS #5 (see RFC 2898) is the normal way that this is done. If PKCS #5 (with PBKDF2) is not adopted, then the security considerations ought to explain why this algorithm is more appropriate for this protocol. Further, given the environment already requires tight time sync, the time could be used as a salt in the key derivation. Obviously, the use of a very finer grained time would be problematic, but the year, month, day and hour in UTC would probably be very useful.

The document provides an incorrect description of how secret keys work. It says, "secret keys, rather than having the low entropy typical of passwords, are suitable for use as AES keys," and then goes on to describe how to generate a key from a password. Such a key is going to have exactly the same amount of entropy as the password from which it is generated.

The IZP integrity mechanism is very flawed. Since CBC will sync after two blocks, it does not provide the intended message integrity and authentication that is intended. I am not sure that this can be exploited given the current message layouts; I did not take the time to look for places where adjacent blocks contain data that an attacker might want to tamper. Regardless, future extensions to the protocol might add fields to the messages that make this attack simple. In short, the use of CBC mode with a constant to provide integrity protection is not acceptable. Consider using AES-CCM or AES-GCM when confidentiality and integrity are both needed.

The discussion of encryption is not clear. For example, the discussion of the Request-Session message does not state which part of the message is encrypted. The IV precessing is very unclear. Test vectors and clear descriptions are needed.

Section 6 includes a discussion of why TLS was not used. I can see the reasons for not using TLS for the test protocol. However, these reasons do not extend to DTLS. Further, TLS seems like a good choice

for the protection of the command channel. The use of TLS would address the concerns about automated key management and would provide sound integrity protection for the command channel.

Please reference RFC 4086 (a.k.a. BCP 106) instead of RFC 1750.

Comment [2005-06-16]:

The 2nd paragraph of section 2 says:

>

> The initiator of the measurement session establishes a TCP connection

> to a well-known port on the target point and this connection remains

> open for the duration of the OWAMP-Test sessions. IANA will be

> requested to allocate a well-known port number for OWAMP-Control

> sessions. An OWAMP server SHOULD listen to this well-known port.

>

I think that this paragraph should be written in a manner that makes it simple for implementors once IANA assigns the well-known port number.

For, example, the text could say: "The initiator of the measurement session establishes a TCP connection to a well-known port XX on the target and this connection remains open for the duration of the OWAMP-Test sessions. [RFC Editor: Please replace 'XX' with the value assigned by IANA.]"

The well-known port concern surfaces several other places. I will not point out each one, but I believe that the reader will be well served if each of them is handled as described above.

Some protocol messages do not have names. This makes it difficult to comment on the protocol. For example, the message sent by the Control-Client or a Fetch-Client as part of session set-up is discussed on page 8. The protocol message has a clear description, but without a protocol message name, it takes a lot of words to reference a particular message. Solving this is not a big deal. For example, the document currently says:

>

> Otherwise, the client MUST respond with the following message:

>

This could be replaced with:

>

> Otherwise, the client MUST respond with the Set-Up-Response message:

I wish that the 'Username' field had a different name. It does not

name a user. It names a shared secret. In other protocols, this would be called a key identifier (KeyID).

Bert Wijnen:

Comment [2005-06-09]:

Review comments from a AAA-Doctor (Jari) and author/editor has agreed (to at least part of it) and I think has revised text.

--- comments from Jari follows:

I read this draft based on Bert's request.  
Here are my comments:

Overall:

I like this draft, its very exciting technology. I'm eager to start testing it, when it becomes available on the types of machines that I use.

The draft is mostly OK. I noted some nits. The main technical concern I have is tightening up the denial-of-service protection text.

Note that I'm not a IPPM expert and this is the first time I read this draft. I may have missed something obvious. If so, let me know.

Technical:

> 6.2. Preventing Third-Party Denial of Service

>

> OWAMP-Test sessions directed at an unsuspecting party could be used  
> for denial of service (DoS) attacks. In unauthenticated mode,  
> servers SHOULD limit receivers to hosts they control or to the  
OWAMP-  
> Control client.

The above text is good, but I would like to tighten the rule a little bit. Maybe by adding this:

"Specifically, unless otherwise configured, the default behavior of servers MUST be to decline requests where the Receiver Address field is not equal to the address that the control connection was initiated from. Given the TCP handshake procedure and sequence

numbers in the control connection, this ensures that the hosts that make such requests are actually those hosts themselves, or at least on the path towards them. If either this test or the handshake procedure were omitted, it would become possible for attackers anywhere in the Internet to request large amounts of test packets be directed against victim nodes somewhere else.

In any case, servers MUST decline all requests where the Sender Address is not either the server's own address or the address of a node that it controls; OWDP-Test packets with a given source address can only be sent from the node that has been assigned that address."

- > payload of a single ATM cell (this is only achieved in
- > unauthenticated and encrypted modes).

I have to wonder whether this should read "unauthenticated and unencrypted", but I'm reading on... Section 4.1.2 shows the authenticated and encrypted modes to have the same format, and neither EBC or CBC modes should add any overhead. What am I missing? Why does an encrypted mode packet fit an ATM cell but an authenticated does not? And I don't see a MAC field anywhere.

- > The protocol does not carry any information in a natural language.

I would actually prefer the Username field to be in UTF-8, rather than Octet. (It would be even better if it were possible to have longer than 16 byte usernames, in case someone later wants to use AAA or something for the shared secret management of OWDP. But I can see that changing that would be a too big change for the protocol formats.)

- > 7. IANA Considerations

- >
- > IANA is requested to allocate a well-known TCP port number for the
- > OWAMP-Control part of the OWAMP protocol.

How about Accept values? Might make sense to have a rule about adding those. Say, Standards Action.

Editorial:

- > hosts
- > increasingly have available to them very accurate time
- > sources

Maybe "very accurate time sources are increasingly available to hosts", which sounds better to me (but I'm not a native speaker).

--Jari

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ippm mailing list <ippm@ietf.org>,

ippm chair <henk@ripe.net>,

ippm chair <matt@internet2.edu>

Subject: Protocol Action: 'A One-way Active Measurement Protocol (OWAMP)' to Proposed Standard

The IESG has approved the following document:

- 'A One-way Active Measurement Protocol (OWAMP) '  
    <draft-ietf-ippm-owdp-14.txt> as a Proposed Standard

This document is the product of the IP Performance Metrics Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

With growing availability of good time sources to network nodes, it becomes increasingly possible to measure one-way IP performance metrics with high precision. To do so in an interoperable manner, a common protocol for such measurements is required. The One-Way Active Measurement Protocol (OWAMP) can measure one-way delay, as well as other unidirectional characteristics, such as one-way loss. This document is an implementation of the requirements draft (RFC 3763) published earlier.

#### Working Group Summary

The working group extensively worked on requirements for this

protocol (which were approved by the IESG in 2004 and published as RFC 3763), and in general, developed this protocol for about three years, with a great deal of participation and discussion from experience. The decision to advance had strong working group support. There were no IETF Last Call comments.

#### Protocol Quality

Three implementations of the protocol exist, a forthcoming site has indicated that they will implement this. This protocol sits on top of IPPM metrics (RFC2330, 2678-2681). The group of users of these metrics have all expressed interest in this protocol.

The security section of RFC3763 took a long time to complete. In order to make sure that this document met the security requirements set forth in that document, a security review has been done by Sam Weiler. His comments have been incorporated. The Responsible Area Director also reviewed the document against RFC 3763, and the shepherding Chair, Henk Uijterwaal, reviewed the detailed security support.

Henk Uijterwaal has shepherded this specification.

#### Note to the RFC Editor

(if any)

#### Note to the IANA

(if any)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

2.1.1 New Item - 3 of 7

- o draft-ietf-dhc-dna-ipv4-12.txt  
Detecting Network Attachment (DNA) in IPv4 (Proposed Standard)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-dhc-dna-ipv4-12.txt to Proposed Standard  
-----

Evaluation for draft-ietf-dhc-dna-ipv4-12.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10756&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10756&rfc_flag=0)

Last Call to expire on: 2005-05-24

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
dhc mailing list <dhcwg@ietf.org>,  
dhc chair <rdroms@cisco.com>,  
dhc chair <venaas@uninett.no>  
Subject: Protocol Action: 'Detection of Network Attachment (DNA) in  
IPv4' to Proposed Standard

The IESG has approved the following document:

- 'Detection of Network Attachment (DNA) in IPv4 '  
<draft-ietf-dhc-dna-ipv4-11.txt> as a Proposed Standard

This document is the product of the Dynamic Host Configuration Working Group.

The IESG contact persons are Margaret Wasserman and Mark Townsley.

#### √. - Technical Summary

- √. (Abstract from "Detection of Network Attachment (DNA) in IPv4")
- √. The time required to detect movement (or lack of movement) between
- √. subnets, and to obtain (or continue to use) a valid IPv4 address may
- √. be significant as a fraction of the total delay in moving between
- √. points of attachment.√. This document synthesizes experience garnered
- √. over the years in the deployment of hosts supporting ARP, DHCP and
- √. IPv4 Link-Local addresses.√. A procedure is specified for detection
- of
- √. network attachment in order to better accommodate mobile hosts.
- √. The document addresses a need for compilation of experiences with
- √. various protocol specifications and formal description of protocol
- √. operation based on those experiences.√. Members of the dhc WG
- √. provided significant expert input based on experience with DHCP
- √. client/server deployment and operation.

#### √. - Working Group Summary

- √. The dhc WG was actively involved in the development of this
- √. document and provided significant input.√. The consensus of the WG
- √. is to submit the document for publication.√. The issues raised
- √. during discussion of this document, including the WG last call, are
- √. listed at <http://www.drizzle.com/~aboba/DNA/>

#### √. - Protocol Quality

√. This document does not define a protocol; rather, it provides a  
√. formal description of procedures for host movement that are useful  
√. in protocols like DHCP and IPv4 link-local addresses.√. The quality  
√. of the document is excellent.

This document was reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a  
reasonable basis on which to build the salient part of the  
Internet  
infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 7

- o draft-ietf-atompub-format-09.txt

The Atom Syndication Format (Proposed Standard)

Note: Paul Hoffman <phoffman@imc.org> is the shepherd for the  
atompub  
working group.

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-atompub-format-09.txt to Proposed  
Standard

-----

Evaluation for draft-ietf-atompub-format-09.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&id=11964&rfc_flag=0)  
[command=view\\_id&id=11964&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&id=11964&rfc_flag=0)

Last Call to expire on: 2005-05-04

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]

Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
 RFC Editor <rfc-editor@rfc-editor.org>,  
 atompub mailing list <atom-syntax@imc.org>,  
 atompub chair <paul.hoffman@vpnc.org>,  
 atompub chair <tbray@textuality.com>

Subject: Protocol Action: 'The Atom Syndication Format' to Proposed  
 Standard

The IESG has approved the following document:

- 'The Atom Syndication Format '  
 <draft-ietf-atompub-format-09.txt> as a Proposed Standard

This document is the product of the Atom Publishing Format and Protocol  
 Working

Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-atompub-format-09.txt>

#### Technical Summary:

This document describes the Atom format for syndication. It is XML-based and is considered to be the successor to the earlier RSS formats. Its primary use is for web-based content, but is expected to be used for non-web content as well, such as personal news feeds.

#### Working Group Summary:

Some members of the working group remain unenthusiastic about some sections of the document, but the chairs strongly believe that there is rough (or better) consensus in support of the document as a whole. For some of the parts with the most contention, there cannot be more than very rough consensus due to basic differences in the way people would design parts of the format, particularly given that we have many models in existence with the different flavors of RSS. For some parts of the document, there is contention about whether or not a particular item should or should not be in the Atom core versus being an extension. For some parts, there is contention whether there should be MUST/SHOULD/MAY leeway for content creators in the presence or absence of an element, or the semantic content of an element; the group really pushed RFC 2119 around during the past few months.

#### Protocol Quality

Scott Hollenbeck and the XML Directorate have reviewed the specification for the IESG. Test implementations have confirmed basic protocol soundness.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 7

- o [draft-ietf-sipping-cc-conferencing-07.txt](#)

Session Initiation Protocol Call Control - Conferencing for User Agents

(BCP)

Note: PROTO shepherd: gonzalo.camarillo@ericsson.com. Revised for GEN-ART

review - version -07 submitted.&nbsp; Please  
read:<br><http://ee.wustl.edu/~alan/draft-ietf-sipping-cc-conferencing-07.txt>

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sipping-cc-conferencing-07.txt to BCP

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Evaluation for draft-ietf-sipping-cc-conferencing-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10219&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10219&rfc_flag=0)

Last Call to expire on: 2005-05-20

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ . ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ X ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-06]:

Text uses RFC 2119 terminology but the reference [1] to RFC 2119 is not cited.

Even in the pending -07 version the citation is not a real citation.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
sipping mailing list <sipping@ietf.org>,  
sipping chair <gonzalo.camarillo@ericsson.com>,  
sipping chair <dean.willis@softarmor.com>,  
sipping chair <rohan@ekabal.com>

Subject: Protocol Action: 'Session Initiation Protocol Call Control -  
Conferencing for User Agents' to BCP

The IESG has approved the following document:

- 'Session Initiation Protocol Call Control - Conferencing for User  
Agents '  
    <draft-ietf-sipping-cc-conferencing-06.txt> as a BCP

This document is the product of the Session Initiation Proposal  
Investigation  
Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

This specification defines conferencing call control features for the Session Initiation Protocol (SIP). This document builds on the Conferencing Requirements and Framework documents to define how a tightly coupled SIP conference works. The approach is explored from different user agent (UA) types perspective: conference-unaware, conference-aware and focus UAs. The use of URIs in conferencing, OPTIONS for capabilities discovery, and call control using REFER are covered in detail with example call flow diagrams. The usage of the isfocus feature tag is defined.

This specification uses the concepts and definitions from the WG's

"High Level Requirements for Tightly Coupled SIP Conferencing,"  
and "A Framework for Conferencing with the Session Initiation  
Protocol,"

approved earlier. In the tightly coupled architecture, a UA, known  
as participant, establishes a SIP dialog with another UA, known as  
focus. The focus is the central point of control, authentication  
and

authorization. This specification defines the operations of a focus  
and participant UAs. Not that only the signaling (SIP) needs to be  
centralized in this model - the media can be centrally mixed,  
distributed, or even multicast (by the nature of the media  
descriptions

that the model establishes). For a full discussion of this  
architecture,

see the SIP conferencing Framework mentioned already.  
already.

This document presents the basic call control (dial-in and dial-out)  
conferencing building blocks from the UA perspective. Possible  
applications include ad-hoc conferences and scheduled conferences.

#### Working Group Summary

The working group strongly supported advancing this document.

3GPP and OMA have notified the IETF that this specification is a  
critical dependency.

#### Protocol Quality

Allison Mankin reviewed the specification for the IESG. It was  
revised to add specific security considerations. Due to a  
General Area Directorate Review, it was revised to add some  
additional context and introduction.

Gonzalo Camarillo has been the working group shepherd.

#### Note to the RFC Editor

(if any)

#### Note to the IANA

(if any)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 7

- o draft-ietf-imapect-2086upd-07.txt  
IMAP4 ACL extension (Proposed Standard)

Note: Proto shepherd is Lisa Dusseault

<mailto:lisa@osafoundation.org>;

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-imapect-2086upd-07.txt to Proposed Standard

-----

Evaluation for draft-ietf-imapect-2086upd-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12288&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12288&rfc_flag=0)

Last Call to expire on: 2005-06-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]

Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
 To: IETF-Announce <ietf-announce@ietf.org>  
 Cc: Internet Architecture Board <iab@iab.org>,  
     RFC Editor <rfc-editor@rfc-editor.org>,  
     imapext mailing list <ietf-imapext@imc.org>,  
     imapext chair <presnick@qualcomm.com>,  
     imapext chair <lisa@osafoundation.org>  
 Subject: Protocol Action: 'IMAP4 ACL extension' to Proposed Standard

The IESG has approved the following document:

- 'IMAP4 ACL extension '  
     <draft-ietf-imapext-2086upd-07.txt> as a Proposed Standard

This document is the product of the Internet Message Access Protocol Extension Working Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-imapext-2086upd-07.txt>

Technical Summary

The ACL (Access Control List) extension (RFC 2086) of the Internet Message Access Protocol (IMAP) permits mailbox access control lists to be retrieved and manipulated through the IMAP protocol. This document is a revision of RFC 2086. It defines several new access control rights and clarifies which rights are required for different IMAP commands.

## Working Group Summary

The document has been reviewed by key working group members and implementers. Consensus was reached, and there are no known issues risking appeal.

## Protocol Quality

Scott Hollenbeck has reviewed this specification for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 7

- o draft-ietf-smime-certcapa-05.txt  
X.509 Certificate Extension for S/MIME Capabilities (Proposed Standard)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-smime-certcapa-05.txt to Proposed Standard

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Evaluation for draft-ietf-smime-certcapa-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12384&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12384&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]

Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
 RFC Editor <rfc-editor@rfc-editor.org>,  
 smime mailing list <ietf-smime@imc.org>,  
 smime chair <turners@ieca.com>,  
 smime chair <blake@sendmail.com>

Subject: Protocol Action: 'X.509 Certificate Extension for S/MIME  
 Capabilities' to Proposed Standard

The IESG has approved the following document:

- 'X.509 Certificate Extension for S/MIME Capabilities '  
 <draft-ietf-smime-certcapa-04.txt> as a Proposed Standard

This document is the product of the S/MIME Mail Security Working Group.

The IESG contact persons are Russ Housley and Sam Hartman.

#### Technical Summary

This protocol provides an X.509 public key certificate extension to indicate

the end entity's S/MIME cryptographic capabilities. It is an optional, non-critical extension.

#### Working Group Summary

Initially, the major discussion point was whether this mechanism, which is considered a "static" mechanism, is better or worse than a more "dynamic" mechanism, which could change without affecting the public key certificates contents. The WG decided to allow for the possibility of another editor could step for to define the "dynamic" mechanism, but that this "static" mechanism should be allowed to proceed. The other discussions on the draft were considered minor, mostly dealt with the security considerations wording, and these issues were resolved quickly.

#### Protocol Quality

The protocol is implemented by one vendor already in a number of their products.

This document was reviewed by Russ Housley for the IESG.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 1 of 3

- o draft-ietf-ldapbis-protocol-31.txt  
LDAP: The Protocol (Proposed Standard)  
Token: Ted Hardie

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 2 of 3

- o draft-ietf-nntpxt-base-27.txt  
Network News Transfer Protocol (Proposed Standard)  
Note: Document shepherd: Russ Allbery <rra@stanford.edu>.

Returning

to secure positive ballots needed due to AD changes since the document was last reviewed.

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-nntpxt-base-27.txt to Proposed Standard

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Evaluation for draft-ietf-nntpxt-base-27.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=2739&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=2739&rfc_flag=0)

Last Call to expire on: 2005-06-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]

Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ X ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ . ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ X ]
David Kessens	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ . ]	[ X ]
Thomas Narten	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment [2004-04-13]:

Since this document updates the NNTP specification to use UTF-8 instead of

ASCII, it would be useful to define the terms "NUL", "TAB", "LF", "CR, and

"space" etc.

with reference to UTF-8 instead of to ASCII. The restrictions to printable

US-ASCII should specify those or refer to a specification for them (in UTF-8

terms, again).

In 3.1., the document says

Note that texts using an encoding (such as UTF-16 or UTF-32) that may contain the octets NUL, LF, or CR other than a CRLF pair cannot be reliably conveyed in the above format. However, except when stated otherwise, this specification does not require the content to be UTF-8 and it is possible for octets above and below 128 to be mixed arbitrarily.

Does not make sense to me. The document describes this as a request-response protocol using the utf-8 encoding, but allows the content of responses to be in some other encoding, where some of those encoding are known not to be reliably conveyed by the request/response format.

The document says

Certain responses contain arguments such as numbers and names in addition to the status indicator. In those cases, to simplify interpretation by the client the number and type of such arguments is fixed for each response code, as is whether or not the code introduces a multi-line response. Any extension MUST follow this principle as well, but note that, for historical reasons, the 211 response code is an exception to this.

What the exception is not stated at this point in the text; the next usage is in an example, which is thus rendered hard to interpret.

The draft says this:

The content of a header SHOULD be in UTF-8. However, if a server receives an article from elsewhere that uses octets in the range 128 to 255 in some other manner, it MAY pass it to a client without modification. Therefore clients MUST be prepared to receive such headers and also data derived from them (e.g. in the responses from the OVER extension (Section 8.5)) and MUST NOT assume that they are always UTF-8.

If a client receives headers in some encoding which it does not support, what does this MUST mean?

I concluded that I should abstain on this document while reading section 3.4, and I did not review further

Russ Housley:

Comment [2004-04-13]:

I do not want to block progress of this specification. However, the security considerations section requires an understanding of XSECRET and XENCRYPT which are not described in the document. Further, the XSECRET command seems to have a similar use as AUTHINFO in [RFC2980].

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
nntpext mailing list <ietf-nntp@lists.eyrie.org>,  
nntpext chair <ned.freed@mrochek.com>,  
nntpext chair <rra@stanford.edu>  
Subject: Protocol Action: 'Network News Transfer Protocol' to Proposed  
Standard

The IESG has approved the following document:

- 'Network News Transfer Protocol '  
<draft-ietf-nntpext-base-27.txt> as a Proposed Standard

This document is the product of the NNTP Extensions Working Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-nntpext-base-27.txt>

#### Technical Summary

The Network News Transfer Protocol (NNTP) has been in use in the Internet for a decade and remains one of the most popular protocols (by volume) in use today. This document is a replacement for RFC 977 and officially updates the protocol specification. It clarifies some vagueness in RFC 977, includes some new base functionality, and provides a specific mechanism to add standardized extensions to NNTP.

#### Working Group Summary

The NNTPEXT WG achieved consensus on this document. The working group revised the document significantly after IESG review took place in April, 2004. A second IETF last call was requested in May 2005 to review the working group's revisions.

#### Protocol Quality

Scott Hollenbeck reviewed this specification for the IESG.

This document was reviewed by Russ Allbery, comparing it against the existing INN NNTP implementation. INN intends to make the necessary changes to fully implement this protocol. It has also been reviewed by other NNTP server and client authors in the NNTPEXT WG group and by participants in the news.software.nntp Usenet newsgroup.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 3 of 3

- o draft-ietf-simple-xcap-07.txt

The Extensible Markup Language (XML) Configuration Access Protocol (XCAP)

(Proposed Standard)

Note: Returning to see if we can clear Margaret's discuss.

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-simple-xcap-07.txt to Proposed Standard

-----

Evaluation for draft-ietf-simple-xcap-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10621&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10621&rfc_flag=0)

Last Call to expire on: 2004-12-28

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]

Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ . ]	[ ]
David Kessens	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ X ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Thomas Narten	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Margaret Wasserman:

Discuss [2005-05-18]:

I have removed my first two questions based on follow-on discussion. However, I am still concerned about this one:

In the NETCONF WG, we are running an XML based configuration protocol over SSH.

In that case, it was considered important that we run the protocol on a NETCONF-specific port (not the standard SSH port), so that configuration traffic could be filtered without filtering other SSH traffic. Should a similar mechanism (an XCAP-specific port) be used for this protocol, so that firewalls can filtering encrypted XCAP traffic while allowing other HTTP traffic?

Has this tradeoff been discussed in the WG? What are the security implications of allowing a configuration protocol to run on the standard HTTP port? I'd at least like to see this decision justified in the Security Considerations section.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

simple mailing list <simple@ietf.org>,

simple chair <RjS@xten.com>,

simple chair <hisham.khartabil@telio.no>

Subject: Protocol Action: 'The Extensible Markup Language (XML)  
Configuration Access Protocol (XCAP)' to Proposed Standard

The IESG has approved the following document:

- 'The Extensible Markup Language (XML) Configuration Access Protocol  
(XCAP) '

<draft-ietf-simple-xcap-05.txt> as a Proposed Standard

This document is the product of the SIP for Instant Messaging and  
Presence  
Leveraging Extensions Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

#### Technical Summary

In many communications applications, such as Voice over IP, instant  
messaging, and presence, it is necessary for network servers to  
access per-user information in the process of servicing a request.  
While this per-user information resides on servers within the network,  
it

is managed by the end user themselves. Management can be done through  
many access points, including the web, a wireless handset, or a PC  
application.

Among these per-user information stores are presence lists and  
authorization

policies, requirements for which have been specified by the SIMPLE  
working  
group.

This specification describes a protocol that can be used to  
manipulate this per-user data. XCAP is essentially a set  
of conventions for mapping XML documents and document components into

HTTP URLs, rules for how the modification of one resource affects another, data validation constraints, and authorization policies associated with access to those resources. Because of this structure, normal HTTP primitives can be used to manipulate the data. XCAP is meant to support the configuration needs for a multiplicity of applications, rather than just a single one. It is not, however, a general purpose XML search protocol or XML database update protocol.

## Working Group Summary

The working group came to consensus on this approach after significant discussion of the trade-offs. Adoption of an existing specification, like XPATH, was considered, but the balance of capabilities did not seem right to the working group; instead a more restricted set of capabilities tuned to this specific use case was agreed. There were comments during the Last Call period, and this document reflects changes made to handle the issues raised.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a

reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.2 Individual Submissions

### 2.2.1 New Item - 1 of 4

o draft-zeilenga-ldap-x509-01.txt

Lightweight Directory Access Protocol (LDAP) schema definitions for X.509

Certificates (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-zeilenga-ldap-x509-01.txt to Proposed Standard

-----

Evaluation for draft-zeilenga-ldap-x509-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12428&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12428&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Protocol Action: 'Lightweight Directory Access Protocol  
(LDAP) schema definitions for X.509 Certificates' to Proposed  
Standard

The IESG has approved the following document:

- 'Lightweight Directory Access Protocol (LDAP) schema definitions for  
X.509  
Certificates '  
<draft-zeilenga-ldap-x509-01.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document describes schema for representing X.509 certificates,  
X.521 security information, and related elements in directories  
accessible using the Lightweight Directory Access Protocol (LDAP).  
The LDAP definitions for these X.509 and X.521 schema elements  
replaces those provided in RFC 2252 and RFC 2256.

#### Working Group Summary

This document is the product of an individual submitter. The document  
was announced both on the LDAP-EXT mailing list and the PKIX mailing  
list.

No objections were raised during IETF Last Call.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 4

- o draft-zeilenga-ldap-assert-05.txt  
The LDAP Assertion Control (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-zeilenga-ldap-assert-05.txt to Proposed Standard

-----

Evaluation for draft-zeilenga-ldap-assert-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10289&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10289&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]

Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The LDAP Assertion Control' to Proposed  
Standard

The IESG has approved the following document:

- 'The LDAP Assertion Control '  
<draft-zeilenga-ldap-assert-05.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document defines the Lightweight Directory Access Protocol (LDAP) assertion control. The assertion control allows the client to specify a condition which must be true fo ]

Bill Fenner	[ ]	[ ]	[ ]	[ ]
-------------	-----	-----	-----	-----

Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The LDAP Assertion Control' to Proposed  
Standard

The IESG has approved the following document:

- 'The LDAP Assertion Control '  
<draft-zeilenga-ldap-assert-05.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document defines the Lightweight Directory Access Protocol (LDAP) assertion control. The assertion control allows the client to specify a condition which must be true for the operation to be processed normally. Otherwise the operation fails. For instance, the control can be used with the Modify operation to perform

atomic "test and set" and "test and clear" operations.

The control may be attached to any update operation to support conditional addition, deletion, modification, and renaming of the target object. The asserted condition is evaluated as an integral part the operation.

#### Working Group Summary

This document is the product of an individual submitter. It was discussed informally in the LDAPEXT working group, and at an informal BoF announced on the LDAPEXT mailing list.

No issues were raised during IETF Last Call.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 3 of 4

- o draft-zeilenga-ldap-t-f-10.txt  
LDAP Absolute True and False Filters (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-zeilenga-ldap-t-f-10.txt to Proposed Standard  
-----

Evaluation for draft-zeilenga-ldap-t-f-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8308&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8308&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:  
=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Protocol Action: 'LDAP Absolute True and False Filters' to  
Proposed Standard

The IESG has approved the following document:

- 'LDAP Absolute True and False Filters '  
<draft-zeilenga-ldap-t-f-10.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document extends the Lightweight Directory Access Protocol (LDAP) to support absolute True and False filters based upon similar capabilities found in X.500 directory systems. The document also extends the String Representation of LDAP Search Filters to support these filters. (What does this protocol do and why does the community need it?)

#### Working Group Summary

This document is the work of an individual submitter. It was discussed informally in the LDAPEXT working group.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 4 of 4

- o draft-zeilenga-ldap-readentry-04.txt  
LDAP Read Entry Controls (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-zeilenga-ldap-readentry-04.txt to Proposed Standard

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Evaluation for draft-zeilenga-ldap-readentry-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10531&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10531&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

Alex Zinin                    [   ]        [   ]        [   ]        [   ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'LDAP Read Entry Controls' to Proposed  
Standard

The IESG has approved the following document:

- 'LDAP Read Entry Controls '  
    <draft-zeilenga-ldap-readentry-04.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document specifies an extension to the Lightweight Directory Access Protocol (LDAP) to allow the client to read the target entry of an update operation (e.g., Add, Delete, Modify, ModifyDN). The extension utilizes controls attached to update requests to request and return copies of the target entry. One request control, called the Pre-Read request control, indicates that a copy of the entry before application of update is to be returned. Another control, called the Post-Read request control, indicates that a copy of the entry after application of the update is to be returned. Each request control has a corresponding response control used to return the entry.

To ensure proper isolation, the controls are processed as an atomic part of the update operation.

## Working Group Summary

This document is the work of an individual submitter. It was discussed informally on the LDAPEXT working group mailing list.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 1 of 2

- o draft-ietf-rohc-over-reordering-03.txt

RObust Header Compression (ROHC): ROHC over Channels that can

Reorder

Packets (Informational)

Note: PROTO shepherd: lars-erik.jonsson@ericsson.com

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-rohc-over-reordering-03.txt to  
Informational  
RFC  
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Evaluation for draft-ietf-rohc-over-reordering-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12363&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12363&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,  
rohc mailing list <rohc@ietf.org>,  
rohc chair <cabo@tzi.org>,  
rohc chair <lars-erik.jonsson@ericsson.com>  
Subject: Document Action: 'RObust Header Compression (ROHC): ROHC over  
Channels that can Reorder Packets' to Informational RFC

The IESG has approved the following document:

- 'RObust Header Compression (ROHC): ROHC over Channels that can Reorder Packets '  
<draft-ietf-rohc-over-reordering-03.txt> as an Informational RFC

This document is the product of the Robust Header Compression Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-rohc-over-reordering-03.txt>

Note to RFC Editor

(if any)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.1.1 New Item - 2 of 2

- o draft-ietf-sipping-torture-tests-07.txt  
Session Initiation Protocol Torture Test Messages (Informational)  
Token: Allison Mankin

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?  
If

not, what changes would make it so?"

#### 3.1.2 Returning Item - 1 of 1

o draft-ietf-dnsop-ipv6-dns-issues-10.txt

Operational Considerations and Issues with IPv6 DNS (Informational)

Note: To check on the status of the resolution of Thomas DISCUSS.

Token: David Kessens

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dnsop-ipv6-dns-issues-10.txt to  
Informational

RFC

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Evaluation for draft-ietf-dnsop-ipv6-dns-issues-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9694&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9694&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ X ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ X ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

Steve Bellovin	[ ]	[ X ]	[ . ]	[ ]
Thomas Narten	[ ]	[ ]	[ X ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-07]:

Michael Patton notes:

My major concern is with the number of references that are still ID. Are these IDs really close enough to completion? Actually, in the process of doing the review I had reason to want to refer to several of the IDs for further info and crosschecking, all the ones that I tried to look up were expired. It's probably of enough importance to get this draft out as an RFC that holding it up for another draft still being revised would be unfortunate. But even some of the informative references are fairly important, so I'm not sure where to go on this...

Ted Hardie:

Comment [2004-06-09]:

In 3.1, the draft says:

The solution is to fix or retire those misbehaving implementations, but that is likely not going to be effective. There are some possible ways to mitigate the problem, e.g. by performing the lookups somewhat in parallel and reducing the timeout as long as at least one answer has been received; but such methods remain to be investigated; slightly more on this is included in Section 5.

I note that in the recent MARID interim folks who use DNS lookups as part of related spam abatement procedures talked about using parallel lookups for a variety of RRs (including A and AAAA) as though it were common practice for them. In particular, they seem to use a set of mechanisms for information sharing between query threads that may be more generally useful. The loosely parallel mechanism looks like an attempt to game a race condition, and that seems like it is unlikely to give consistent results.

Margaret Wasserman:

Discuss [2005-06-09]:

Holding a discuss to determine if Thomas' discuss has been properly addressed.

(See comment log for details of Thomas' discuss)

Alex Zinin:

Comment [2004-06-10]:

Feedback from gen-art (Spencer and Brian): generally useful document; would

benefit mentioning that not all transition mechanisms considered by v6ops or

generally possible are under consideration and why. An editing pass would help

eliminate things like:

Dynamic DNS with SLAAC simpler than forward DNS updates in some regard, while being more difficult in another.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

dnsop mailing list <dnsop@lists.uoregon.edu>, dnsop chair

<dmm@1-4-5.net>,

dnsop chair <sra@hactrn.net>

Subject: Document Action: 'Operational Considerations and Issues with IPv6 DNS' to Informational RFC

The IESG has approved the following document:

- 'Operational Considerations and Issues with IPv6 DNS '

<draft-ietf-dnsop-ipv6-dns-issues-07.txt> as an Informational RFC

This document is the product of the Domain Name System Operations Working Group

The IESG contact persons are David Kessens and Bert Wijnen.

Technical Summary

This memo presents operational considerations and issues with IPv6 Domain Name System (DNS).

#### Working Group Summary

This document is a product of the dnsop working group.

#### Protocol Quality

David Kessens reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.2.1 New Item - 1 of 4

- o draft-hoehrmann-script-types-03.txt  
Scripting Media Types (Informational)  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-hoehrmann-script-types-03.txt to  
Informational RFC

-----

Evaluation for draft-hoehrmann-script-types-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7686&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7686&rfc_flag=0)

Last Call to expire on: 2005-04-12

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Scripting Media Types' to Informational RFC

The IESG has approved the following document:

- 'Scripting Media Types '  
    <draft-hoehrmann-script-types-03.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-hoehrmann-script-types-03.txt>

## Technical Summary

This document describes the registration of media types for the ECMAScript and JavaScript programming languages and conformance requirements for implementations of these types.. Four new media types are registered in the standards tree: text/javascript (obsolete), pplication/javascript, text/ecmascript (obsolete), and application/ecmascript.

## Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it is has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

## Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG.

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.2.1 New Item - 2 of 4

- o draft-mccobb-xplusv-media-type-04.txt
- XHTML+Voice - application/xhtml-voice+xml (Informational)
- Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-mccobb-xplusv-media-type-04.txt to Informational RFC

-----

Evaluation for draft-mccobb-xplusv-media-type-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11684&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11684&rfc_flag=0)

Last Call to expire on: 2005-06-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'XHTML+Voice - application/xhtml-voice+xml'  
to Informational RFC

The IESG has approved the following document:

- 'XHTML+Voice - application/xhtml-voice+xml '  
<draft-mccobb-xplusv-media-type-04.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an

IETF Working Group.

The IESG contact person is Scott Hollenbeck.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-mccobb-xplusv-media-type-04.txt>

#### Technical Summary

This document describes the registration of the MIME sub-type `application/xhtml-voice+xml`. This sub-type is intended for use as a media descriptor for XHTML+Voice multimodal language documents. The XHTML+Voice 1.2 language specification is maintained by the VoiceXML Forum at <http://www.voicexml.org/specs/multimodal/x+v/12/>.

#### Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

#### Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 3 of 4

- o `draft-froumentin-voice-mediatypes-02.txt`

The W3C Speech Interface Framework Media Types: `application/voicexml+xml`,

`application/ssml+xml`, `application/srgs`, `application/srgs+xml`,

application/ccxml+xml and application/pls+xml (Informational)  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-froumentin-voice-mediatypes-02.txt to  
Informational  
RFC  
-----

Evaluation for draft-froumentin-voice-mediatypes-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13050&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13050&rfc_flag=0)

Last Call to expire on: 2005-06-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Document Action: 'The W3C Speech Interface Framework Media  
Types: application/voicexml+xml, application/ssml+xml,  
application/srgs, application/srgs+xml, application/ccxml+xml  
and  
application/pls+xml' to Informational RFC

The IESG has approved the following document:

- 'The W3C Speech Interface Framework Media Types: application/voicexml+xml, application/ssml+xml, application/srgs, application/srgs+xml, application/ccxml+xml and application/pls+xml '  
<draft-froumentin-voice-mediatypes-02.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-froumentin-voice-mediatypes-02.txt>

#### Technical Summary

This document defines the media types for the languages of the W3C Speech Interface Framework, as designed by the Voice Browser Working Group in the following specifications: the Voice Extensible Markup Language XML, the Speech Synthesis Markup Language (SSML), The Speech Recognition Grammar Specification (SRGS), Call Control XML (CCXML) and the Pronunciation Lexicon Specification (PLS).

#### Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

#### Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG. Implementations of these media types are described in the registration templates.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.2.1 New Item - 4 of 4

- o draft-hoffman-hash-attacks-04.txt

Attacks on Cryptographic Hashes in Internet Protocols  
(Informational)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-hoffman-hash-attacks-04.txt to Informational RFC

-----

Evaluation for draft-hoffman-hash-attacks-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=13032&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13032&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]

Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Attacks on Cryptographic Hashes in Internet  
Protocols' to Informational RFC

The IESG has approved the following document:

- 'Attacks on Cryptographic Hashes in Internet Protocols '  
<draft-hoffman-hash-attacks-04.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-hoffman-hash-attacks-04.txt>

## Technical Summary

Recent announcements of better-than-expected collision attacks in popular one-way hash algorithms have caused some people to question whether common Internet protocols need to be changed, and if so, how. This document summarizes the use of hash algorithms in many protocols, discusses how the collision attacks affect and do not affect the protocols, shows how to thwart known attacks on digital certificates, and discusses future directions for protocol designers.

## Working Group Summary

This document was not generated by any IETF Working Group.

## Protocol Quality

This document was reviewed by Russ Housley for the IESG.

### 3.2.2 Returning Item

NONE

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 3. Document Actions

### 3.3 Individual Submissions Via RFC Editor

#### 3.3.3 For Action - 1 of 1

- o draft-kompella-ccc-02.txt  
Circuit Cross-Connect (Informational)  
Token: Mark Townsley

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Manet Autoconfiguration (autoconf) - 1 of 3  
Token: Margaret Wasserman

Manet Autoconfiguration (autoconf)

-----

Last Modified: 2005-06-09

Current Status: Proposed Working Group

Chairs:

Shubhranshu Singh <shubranshu@gmail.com>

Thomas Heide clausen <Thomas.Clausen@polytechnique.fr>

Internet Area Director(s):

Mark Townsley <townsley@cisco.com>

Margaret Wasserman <margaret@thingmagic.com>

Internet Area Advisor:

Margaret Wasserman <margaret@thingmagic.com>

Mailing Lists:

General Discussion: manetautoconf@ml.free.fr

To Subscribe: manetautoconf-request@ml.free.fr

Archive: TBD

Description of Working Group:

In order to communicate among themselves and/or with devices on the Internet, ad hoc nodes (refer to RFC 2501) may need to configure their interface(s) with MANET-local addresses that are valid only within an ad hoc network. They may also configure their interfaces with topologically correct global addresses.

Ad hoc networks present several new challenges. Unlike in traditional IP networks, each ad hoc node, besides being a traffic end-point, should be capable of forwarding traffic destined for other hosts. Additionally, nodes constituting an ad-hoc network do not share access to a single multicast-capable link for signaling. Many protocol specifications used in traditional IP networks e.g. RFCs 2462, 2463 etc. do, however, assume that subnet-local signals (e.g. link-local multicast signal) are received by each of the hosts on the particular subnet without being forwarded by the routers defining the subnet boundary.

The main purpose of the AUTOCONF WG is to standardize mechanisms to be used by ad hoc nodes for configuring unique MANET-local and/or topologically correct unique global IPv6 and/or IPv4 address. The ad hoc nodes under consideration are expected to support multi-hop communication by running MANET routing protocol, e.g. those developed by the IETF MANET WG. However, this may or may not mean that an AUTOCONF mechanism will be dependent on any specific MANET routing protocol. With this in mind, the goals of AUTOCONF WG are to:

- Produce a "terminology and problem statement" document, defining the problem statement and goals for AUTOCONF.

- Develop a stateless autoconfiguration mechanism to be used by ad hoc nodes for configuring unique MANET-local addresses as well as, in cases where Internet connectivity exists, topologically correct unique global addresses
- Develop a stateful address autoconfiguration mechanism to be used by ad hoc nodes for configuring unique global addresses, if an address-providing entity such as DHCPv6 and/or DHCPv4 server is available.
- Develop a mechanism to promote configured address uniqueness in the situation where different ad hoc networks merge.

Issues and requirements related to prefix and/or address providing entities, such as an Internet gateway, will be addressed within the group to the extent that they are directly related to the AUTOCONF mechanisms. Security concerns related to AUTOCONF mechanisms will also be discussed within the group.

The working group will reuse existing specifications whenever reasonable and possible.

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Site Multihoming by IPv6 Intermediation (shim6) - 2 of 3  
Token: Margaret Wasserman

#### Site Multihoming by IPv6 Intermediation (shim6)

=====

Last Modified: 2005-6-15

Current Status: Proposed Working Group

WG Chair(s):

Kurtis Lindqvist

Geoff Huston

Technical Advisor(s):

Thomas Narten

(Still under discussion)

Mailing List: shim6@psg.com

To Subscribe: [shim6-request@psg.com](mailto:shim6-request@psg.com)

Archive: ??

#### Description:

For the purposes of redundancy, load sharing, operational policy or cost, a site may be multi-homed, with the site's network having connections to multiple IP service providers. The current Internet routing infrastructure permits multi-homing using provider independent addressing, and adapts to changes in the availability of these connections. However if the site uses multiple provider-assigned address prefixes for every host within the site, host application associations cannot use alternate paths, such as for surviving the changes or for creating new associations, when one or more of the site's address prefixes becomes unreachable. This working group will produce specifications for an IPv6-based site multi-homing solution that inserts a new sub-layer (shim) into the IP stack of end-system hosts. It will enable hosts on multi-homed sites to use a set of provider-assigned IP address prefixes and switch between them without upsetting transport protocols or applications.

The work will be based on the architecture developed by the IETF multi6 working group. The shim6 working group is to complete the required protocol developments and the architecture and security analysis of the required protocols.

Requirements for the solution are:

- o The approach must handle re-homing both existing communication and being able to establish new communication when one or more of the addresses is unreachable.
- o IPv6 NAT devices are assumed not to exist, or not to present an obstacle about which the shim6 solution needs to be concerned.
- o Only IPv6 is considered.
- o Changes in the addresses that are used below the shim will be invisible

to the upper layers, which will see a fixed address (termed Upper Layer Identifier or ULID).

- o ULIDs will be actual IP addresses, permitting existing applications to continue to work unchanged, and permitting application referrals to work, as long as the IP Addresses are available.

- o The solution should assume ingress filtering may be applied at network boundaries.

- o The solution must allow the global routing system to scale even if there is a very large number of multi-homed sites. This implies that re-homing not be visible to the routing system.

- o Compatibility will remain for existing mobility mechanisms. It will be possible to use Mobile IPv6 on a node that also supports Shim6. However, any optimizations or advanced configurations are out of scope for shim6.

- o The approach is to provide an optimized way to handle a static set of addresses, while also providing a way to securely handle dynamic changes in the set of addresses. The dynamic changes might be useful for future combinations of multi-homing and IP mobility, but the working group will not take on such mobility capabilities directly.

- o The specifications must specifically refer to all applicable threats and describe how they are handled, with the requirement being that the resulting solution not introduce any threats that make the security any less than in today's Internet.

The background documents to be considered by the WG include:

RFC 3582  
draft-ietf-multi6-architecture-04.txt  
draft-ietf-multi6-things-to-think-about-01.txt  
draft-ietf-multi6-multihoming-threats-03.txt

The input documents that the WG will use as the basis for its design are:

draft-huston-l3shim-arch-00.txt  
draft-ietf-multi6-functional-dec-00.txt  
draft-ietf-multi6-l3shim-00.txt  
draft-ietf-multi6-failure-detection-00.txt

draft-ietf-multi6-hba-00.txt  
draft-ietf-multi6-app-refer-00.txt

In addition to the network layer shim solution, the shim6 WG is specifically chartered to work on:

- o Solutions for site exit router selection that work when each ISP uses ingress filtering, i.e. when the chosen site exit needs to be related to the source address chosen by the host. This site exit router selection and the associated address selection process should work whether or not the peer site supports the shim6 protocol.
- o Solutions to establish new communications after an outage has occurred that do not require shim support from the non-multihomed end of the communication. The Working Group will explore whether such solutions are also useful when both ends support the shim.
- o The possible impact of the use of multiple locators at both ends on congestion control, traffic engineering, and QoS will be analysed in conjunction with the Transport Area.
- o The relationships between Upper Layer Identifiers (ULIDs) and unique local addresses.
- o ICMP error demuxing for locator failure discovery.
- o If necessary, develop and specify formats and structure for:
  - Cryptographically protected locators
  - Carrying the flow label across the shim layer defined in the multi6 architecture.

The shim6 WG is to publish, as standards track RFC's, specifications with enough details to allow fully interoperable implementations.

#### Milestones

AUG 05 First draft of architectural document  
AUG 05 First draft of protocol document  
AUG 05 First draft on cryptographic locators, if required  
AUG 05 First draft on multi-homing triggers description  
AUG 05 First draft on applicability statement document

OCT 05 WG last-call on architectural document  
OCT 05 WG last-call on applicability statement document  
FEB 06 WG last-call on protocol document  
FEB 06 WG last-call on cryptographic locators, if required  
FEB 06 Submit completed architectural document to IESG  
FEB 06 Submit applicability statement document to IESG  
APR 06 WG last-call on multihoming triggers description  
APR 06 Submit document on cryptographic locators to the IESG, if required  
APR 06 Submit protocol document to the IESG  
JUN 06 Submit draft on multihoming triggers description to the IESG

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Calendaring and Scheduling Standards Simplification (calsify) - 3 of 3

Token: Ted Hardie

#### Calendaring and Scheduling Standards Simplification (calsify)

-----

Last Modified: 2005-6-16

Current Status: Proposed Working Group

Chair(s):

TBD

Applications Area Director(s):

Ted Hardie <hardie@qualcomm.com>

Scott Hollenbeck <sah@428cobrajet.net>

Mailing Lists:

General Discussion: [ietf-calsify@osafoundation.org](mailto:ietf-calsify@osafoundation.org)

To Subscribe: <http://lists.osafoundation.org/mailman/listinfo/ietf-calsify>

Archive: <http://lists.osafoundation.org/pipermail/ietf-calsify/>

Description of Working Group:

The Calendaring and Scheduling standards, defined in RFC's 2445, 2446, and

2447 were released in November 1998, and further described in RFC 3283. They were designed to progress the level of interoperability between dissimilar calendaring and scheduling systems. The Calendaring and Scheduling Core Object Specification, iCalendar, succeeded in establishing itself as the common format for exchanging calendaring information across the Internet. On the other hand, only basic interoperability has been achieved between different scheduling systems.

The Calsify working group is chartered to:

- (1) Publish the interoperability issues that have arisen between calendaring and scheduling systems, as well as document the usage of iCalendar by other specifications.
- (2) Revise the Calendaring and Scheduling standards to advance the state of interoperable calendaring and scheduling by addressing the published interoperability issues. As far as it is possible, the working group will ensure backwards compatibility with widely deployed implementations and other specifications that use it.
- (3) Clarify the registration process for iCalendar extensions (i.e., the current core object specification only provides a template to register new properties).
- (4) Advance the Calendaring and Scheduling standards to Draft Standard.
- (5) Work on transition (upgrade or versioning) mechanisms for calendar data exchange.

Proposing an XML representation or transformation of iCalendar objects is out of the scope of this working group.

Goals and Milestones:

Jul 05 - Submit draft documenting interoperability issues for use in progressing RFCs to Draft Standard.  
Sep 05 - Submit iCalendar bis draft 00, with formatting changes from RFC2445.  
Sep 05 - Submit iTIP bis draft 00  
Sep 05 - Submit iMIP bis draft 00  
Oct 05 - Submit revised interoperability issues draft version based on WG discussion.

Dec 05 - WG decision on what document(s) require transition mechanisms and hopefully rough idea what these will look like (and add new goals if needed)  
Mar 06 - WG last call on interoperability issues draft.  
May 06 - Submit interoperability issues document to IESG for Informational RFC.  
May 06 - Submit version of iCalendar bis draft that addresses known interoperability issues from interop events.  
Jun 06 - Submit versions of iTIP and iMIP that address known interoperability issues.  
Jul 06 - Submit version of iCalendar draft that addresses WG open discussions.  
Sep 06 - Submit version of iCalendar draft ready for WG last call.  
Nov 06 - Complete WG last call of iCalendar and submit new draft.  
Nov 06 - Submit versions of iTIP and iMIP ready for last call.  
Jan 07 - Submit iCalendar (bis) to IESG for Draft Standard.  
Jan 07 - Complete WG last call of iTIP  
Feb 07 - Complete WG last call of iMIP  
Mar 07 - Submit iTIP to IESG for Draft Standard.  
Apr 07 - Submit iMIP to IESG for Draft Standard.

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Layer 1 Virtual Private Networks (l1vpn) - 1 of 2  
Token: Alex Zinin

#### Layer 1 Virtual Private Networks (l1vpn)

=====

Last Modified: 2005-06-09

Current Status: Proposed Working Group

#### Chair(s):

Adrian Farrel <adrian@olddog.co.uk>

Hamid Ould-Brahim <hbrahim@nortel.com>

Tomonori TAKEDA <takeda.tomonori@lab.ntt.co.jp>

#### Routing Area Director(s):

Bill Fenner <fenner@research.att.com>

Alex Zinin <zinin@psg.com>

#### Routing Area Advisor:

Alex Zinin <zinin@psg.com>

Technical Advisor(s):

TBD

Mailing Lists:

General Discussion: [llvpn@ietf.org](mailto:llvpn@ietf.org)

To Subscribe: <https://www1.ietf.org/mailman/listinfo/llvpn>

Archive: <http://www.ietf.org/mail-archive/web/llvpn/index.html>

Description of Working Group:

The L1VPN Working Group's task is to specify mechanisms necessary for providing layer-1 VPN services (establishment of layer-1 connections between CE devices) over a GMPLS-enabled transport service-provider network.

The following two service models will be addressed:

1. Basic mode: the CE-PE interface's functional repertoire is limited to path setup signalling only. Provider's network is not involved in distribution of customer network's routing information.
2. Enhanced mode: the CE-PE interface provides the signaling capabilities as in the Basic mode, plus permits limited exchange of information between the control planes of the provider and the customer to help such functions as discovery of reachability information in remote sites, or parameters of the part of the provider's network dedicated to the customer.

The WG will work on the following items:

1. Framework document defining the reference network model, L1VPN service model, fundamental assumptions, and terminology.
2. Specification of the L1VPN signaling functionality between the customer and the provider network to support the basic mode.
3. Specification of the L1VPN signaling and routing functionality within the provider network to support the basic mode.
4. OAM features and MIB modules and/or extensions required for the basic mode.

5. Specification of the L1VPN signaling and routing functionality between the customer and the provider network to support the extended mode.
6. Specification of the L1VPN signaling and routing functionality within the provider network to support the extended mode.
7. OAM features and MIB modules and/or extensions required for the extended mode.
8. Applicability guidelines to compare the basic and extended modes.

At this point the WG will address the single-AS scenario only. The multi-AS/provider scenario may be considered in future.

Protocol extensions required for L1VPN will be done in cooperation with MPLS, CCAMP, OSPF, IS-IS, IDR, L3VPN, and other WGs where necessary.

L1VPN WG shall also cooperate with ITU-T SG13 through the established IETF process, and use documents Y.1312 and Y.1313 (describing L1VPN requirements and network architectures) as input to its design process. The documents will be available at the IETF liaison web-site.

Milestones:

Sep 05 Submit first Internet Draft of L1VPN framework

Sep 05 Submit first Internet Drafts of basic mode specifications

Dec 05 Submit first Internet Drafts of MIB modules for basic mode

Apr 06 Submit basic mode specifications to IESG for publication as Proposed Standard

Jun 06 Submit first Internet Drafts of enhanced mode specifications

Aug 06 Submit MIB modules for basic mode to IESG for publication as Proposed Standard

Dec 06 Submit enhanced mode specifications to IESG for publication as Proposed Standard

Dec 06 Submit L1VPN framework to IESG for publication as Informational RFC

Aug 07 Submit MIB modules for enhanced mode to IESG for publication as Proposed Standard

Dec 07 Recharter or disband

Related Documents:

draft-takeda-llvpn-framework-03.txt  
draft-takeda-llvpn-applicability-02.txt  
draft-ouldbrahim-ppvpn-gvpn-bgp-gmpls-06.txt  
draft-ietf-ccamp-gmpls-overlay-05.txt

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Transparent Interconnection of Lots of Links (trill) - 2 of 2  
Token: Margaret Wasserman

Transparent Interconnection of Lots of Links (trill)

=====

Last Modified: 2005-6-15

Current Status: Proposed Working Group

Chair(s):

Erik Nordmark <erik.nordmark@sun.com>

Internet Area Director(s):

Mark Townsley <townsley@cisco.com>

Margaret Wasserman <margaret@thingmagic.com>

Internet Area Advisor:

Mark Townsley <townsley@cisco.com>

Technical Advisor:

Bill Fenner <fenner@research.att.com>

Mailing Lists:

General Discussion: [rbridge@postel.org](mailto:rbridge@postel.org)

To Subscribe: <http://www.postel.org/mailman/listinfo/rbridge>

Archive: <http://www.postel.org/pipermail/rbridge>

Description of Working Group:

The TRILL WG will design a solution for shortest-path frame routing in multi-hop IEEE 802.1 Ethernet networks with arbitrary topologies, using the link-state routing protocol technology.

This work will initially be based on draft-perlman-rbridge-03.txt.

The design should have the following properties:

- Minimal or no configuration required
- Load-splitting among multiple paths
- Routing loop mitigation (possibly through a TTL field)
- Support of multiple points of attachment
- Support for broadcast and multicast
- No significant service delay after attachment
- No less secure than existing bridged solutions

Any changes introduced to the Ethernet service model should be analyzed and clearly documented. To ensure compatibility with IEEE VLANs and the Ethernet service model, the WG will request an IEEE liaison relationship with IEEE 802.1.

It is not an explicit requirement that the solution should be able to run on existing IP routers or IEEE 802 switches as a software upgrade. However, the working group should take deployment considerations into account, to ensure that the solution can interwork with bridges in a flexible manner (e.g., to allow incremental deployment into LANs that currently use 802.1D bridges).

The TRILL working will work with the L2VPN WG and IEEE 802.1 to develop interworking between TRILL and 802.1D bridges at the edge, such that a bridged sub-cloud could be attached to TRILL devices in more than one place for redundancy.

The solution must not interfere with the end-to-end transparency of the Internet architecture or with end-to-end congestion control and QOS mechanisms.

The WG will work on the following items:

(1) Develop a problem statement and architecture document that describes the high-level TRILL architecture, discusses the scalability of that architecture, describe the threat model and security impacts of the TRILL solution, and describes the expected impacts (if any) of the TRILL solution on the Ethernet service model.

(2) Define the requirements for a TRILL-capable routing protocol, and select one or more existing routing protocols that could meet those requirements.

(3) Work with the appropriate Routing area working group to extend an existing routing protocol to meet the TRILL working group requirements.

Note: The TRILL working group is not chartered to develop a new routing protocol or to make substantial modifications to an existing routing protocol. If, during the requirements definition and selection phase, the TRILL working group discovers that no existing routing protocol will meet their needs, we will need to re-assess the TRILL WG charter to determine how/if this work should proceed.

(4) Produce a (set of) TRILL specification(s) for standards track publication that defines what information must be carried in an encapsulation header for data packets, and determine how to map that information to various link types (only IEEE 802 links initially)

The TRILL working group is chartered to undertake all of the above tasks and may begin work on more than one of these tasks in parallel. However, the problem statement and architecture document should be completed before the details of the base protocol are finalized, while there is still time to consider changes to the architecture without major impacts on established specifications.

#### Goals and Milestones:

Aug 05 Accept Problem statement and architecture document as a WG work item

Aug 05 Accept base protocol specification as a WG document

Oct 05 Accept routing protocol requirements as a WG work item

Dec 05 Submit problem statement and architecture document to the IESG for publication as an Informational RFC

Mar 06 Submit routing protocol requirements to the IESG for publication as an Informational RFC

Mar 06 Choose routing protocol(s) that can meet the requirements.

Apr 06 Start work with routing area WG(s) to undertake TRILL extensions.

Sep 06 Base protocol specification submitted to the IESG for publication as a Proposed Standard RFC

Dec 06 Re-charter or shut down the WG

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.2 Proposed for Approval

o Protocol for carrying Authentication for Network Access (pana) - 1  
of 1

Token: Mark Townsley

Protocol for carrying Authentication for Network Access (pana)

=====

Last Modified: 2005-6-1

Current Status: Active Working Group

Chair(s):

Basavaraj Patil <basavaraj.patil@nokia.com>

Alper Yegin <alper.yegin@samsung.com>

Internet Area Director(s):

Mark Townsley <townsley@cisco.com>

Margaret Wasserman <margaret@thingmagic.com>

Internet Area Advisor:

Mark Townsley <townsley@cisco.com>

Technical Advisor(s):

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Mailing Lists:

General Discussion: [pana@ietf.org](mailto:pana@ietf.org)

To Subscribe: <https://www1.ietf.org/mailman/listinfo/pana>

In Body: (un)subscribe

Archive: <http://www.ietf.org/mail-archive/web/pana/index.html>

Description of Working Group:

In some scenarios, an IP-based device is required to authenticate itself to the network prior to being authorized to use it. This authentication usually requires a protocol that can support various authentication methods, dynamic service provider selection, and roaming clients. In the absence of such an authentication protocol on most of the link-layers, architectures have resorted to filling the gap

by using a number of inadequate methods. For example, inserting an additional layer between link-layer and network-layer mostly for client authentication purpose (e.g., PPPoE), overloading another network-layer protocol to achieve this goal (e.g., Mobile IPv4 with Registration-required flag), and even defining application-layer ad-hoc authentication mechanisms (e.g., http redirects with web-based login). In these and other cases, a network-layer authentication protocol may provide a cleaner solution to the authentication problem.

The goal of PANA is to define a protocol that allows clients to authenticate themselves to the access network using IP protocols. Such a protocol would allow a client to interact with a site's back-end AAA infrastructure to gain access without needing to understand the particular AAA infrastructure protocols that are in use at the site. It would also allow such interactions to take place without a link-layer specific mechanism. PANA would be applicable to both multi-access and point-to-point links. It would provide support for various authentication methods, dynamic service provider selection, and roaming clients.

Mobile IPv4 developed its own protocols for performing PANA-like functions (e.g., MN-FA interaction). Mobile IPv6 does not have the equivalent of a Foreign Agent (FA) that would allow the access/visited network to authenticate the MN before allowing access. The PANA authentication agent (PAA) can perform the authentication function attributed to the FA in Mobile IPv4, in Mobile IPv6 networks.

The WG will work with the assumption that a PANA client (PaC) is already configured with an IP address before using PANA. This IP address will provide limited reachability to the PaC until it is authenticated with the PAA. Upon successful authentication, PaC is granted broader network access possibly by either a new IP address assignment, or by enforcement points changing filtering rules for the same IP address.

PANA will neither define any new authentication protocol nor define key distribution, key agreement or key derivation protocols. It is believed that PANA will be able to meet its goals if it is able to carry EAP payloads. Note, however, that EAP may need to be extended in order for PANA to meet the need for all of the following: Submit usage scenarios and applicability statement to the IESG

Done Submit security threat analysis to the IESG

Done Submit protocol requirements to the IESG

Aug 05 Submit PANA framework to the IESG

Aug 05 Submit PANA protocol specification to the IESG

Aug 05 Submit IPsec-based access control to the IESG

Aug 05      Submit SNMP-based PAA-to-EP protocol specification to the IESG  
Dec 05      Submit MIB for PANA to the IESG

5. IAB News We Can Use

6. Management Issues

7. Working Group News We Can Use

Brian Carpenter  
Bill Fenner  
Ted Hardie  
Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Jon Peterson  
Mark Townsley  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

l enable the establishment of an IPsec SA between the client and the 1st hop access router to secure the packets on the link. In networks that have physical security or ciphering as a link-layer feature, no such SA is required. Hence the establishment of the IPsec SA is optional. The WG will deliver a document that explains how such an IPsec SA is established by using IKE after successful PANA authentication. No enhancements to either IKE or IPsec are expected.

The PAA does not necessarily act as an enforcement point (EP) to prevent unauthorized access or usage of the network. When a PaC successfully authenticates itself to the PAA, EP(s) (e.g., access routers) will need to be suitably notified. SNMP will be used by the PAA to deliver the authorization information to one or more EPs when the PAA is separated from EPs. The WG will document the solution based on SNMP for carrying the authorization information between the PAA and the EP.

The WG will also propose a solution of how the PaC discovers the IP address of PAA for sending the authentication request.

The PANA WG will deliver

- A mechanism for the PAC to discover the PAA on the link.
- The PANA protocol itself, capable of carrying multiple authentication methods (e.g. using EAP)
- A document that describes how SNMP is used to deliver authorization information from the PAA to the EP in the scenarios where the PAA and EP are separated.
- A document that explains the establishment of an IPsec SA between the client and the 1st hop access router subsequent to authentication for securing the data packets on the link.

Goals and Milestones:

Done	Submit usage scenarios and applicability statement to the IESG
Done	Submit security threat analysis to the IESG
Done	Submit protocol requirements to the IESG
Aug 05	Submit PANA framework to the IESG
Aug 05	Submit PANA protocol specification to the IESG
Aug 05	Submit IPsec-based access control to the IESG
Aug 05	Submit SNMP-based PAA-to-EP protocol specification to the IESG
Dec 05	Submit MIB for PANA to the IESG

5. IAB News We Can Use

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7. Working Group News We Can Use

Brian Carpenter  
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Russ Housley  
David Kessens  
Allison Mankin

Jon Peterson  
Mark Townsley  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

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From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org

Date: Mon, 20 Jun 2005 19:06:15 -0400

Cc: bfuller@foretec.com, amyk@foretec.com

Subject: UPDATED Agenda and Package for June 23, 2005 Telechat

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the June 23, 2005 IESG Teleconference

This agenda was generated at 17:40:58 EDT, June 20, 2005

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-sip-identity-05.txt  
Enhancements for Authenticated Identity Management in the Session Initiation Protocol (SIP) (Proposed Standard) - 1 of 7  
Token: Allison Mankin
- o draft-ietf-ippm-owdp-14.txt  
A One-way Active Measurement Protocol (OWAMP) (Proposed Standard) - 2 of 7  
Note: PROTO shepherd: Henk Uijterwaal, [henk@ripe.net](mailto:henk@ripe.net)  
Token: Allison Mankin
- o draft-ietf-dhc-dna-ipv4-12.txt  
Detecting Network Attachment (DNA) in IPv4 (Proposed Standard) - 3 of 7  
Token: Margaret Wasserman
- o draft-ietf-atompub-format-09.txt  
The Atom Syndication Format (Proposed Standard) - 4 of 7  
Note: Paul Hoffman <[phoffman@imc.org](mailto:phoffman@imc.org)> is the shepherd for the atompub

working group.

Token: Scott Hollenbeck

- o draft-ietf-sipping-cc-conferencing-07.txt

Session Initiation Protocol Call Control - Conferencing for User

Agents

(BCP) - 5 of 7

Note: PROTO shepherd: gonzalo.camarillo@ericsson.com

Token: Allison Mankin

- o draft-ietf-imapext-2086upd-07.txt

IMAP4 ACL extension (Proposed Standard) - 6 of 7

Note: Proto shepherd is Lisa Dusseault

<lisa@osafoundation.org>;

Token: Scott Hollenbeck

- o draft-ietf-smime-certcapa-05.txt

X.509 Certificate Extension for S/MIME Capabilities (Proposed Standard) - 7

of 7

Token: Russ Housley

### 2.1.2 Returning Item

- o draft-ietf-ldapbis-protocol-31.txt

LDAP: The Protocol (Proposed Standard) - 1 of 3

Token: Ted Hardie

- o draft-ietf-nntpext-base-27.txt

Network News Transfer Protocol (Proposed Standard) - 2 of 3

Note: Document shepherd: Russ Allbery <rra@stanford.edu>.

Returning

to secure positive ballots needed due to AD changes since the document was last reviewed.

Token: Scott Hollenbeck

- o draft-ietf-simple-xcap-07.txt

The Extensible Markup Language (XML) Configuration Access Protocol

(XCAP)

(Proposed Standard) - 3 of 3

Note: Returning to see if we can clear Margaret's discuss.

Token: Ted Hardie

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-zeilenga-ldap-x509-01.txt

Lightweight Directory Access Protocol (LDAP) schema definitions for

X.509

Certificates (Proposed Standard) - 1 of 4

Token: Ted Hardie

- o draft-zeilenga-ldap-assert-05.txt  
The LDAP Assertion Control (Proposed Standard) - 2 of 4  
Token: Ted Hardie
- o draft-zeilenga-ldap-t-f-10.txt  
LDAP Absolute True and False Filters (Proposed Standard) - 3 of 4  
Token: Ted Hardie
- o draft-zeilenga-ldap-readentry-04.txt  
LDAP Read Entry Controls (Proposed Standard) - 4 of 4  
Token: Ted Hardie

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-rohc-over-reordering-03.txt  
RObust Header Compression (ROHC): ROHC over Channels that can Reorder Packets (Informational) - 1 of 2  
Note: PROTO shepherd: lars-erik.jonsson@ericsson.com  
Token: Allison Mankin
- o draft-ietf-sipping-torture-tests-07.txt  
Session Initiation Protocol Torture Test Messages (Informational) - 2 of 2  
Note: Document was not released till there were five full peer reviews.√  
Tests used in interops..  
Token: Allison Mankin

#### 3.1.2 Returning Item

- o draft-ietf-dnsop-ipv6-dns-issues-10.txt  
Operational Considerations and Issues with IPv6 DNS (Informational) - 1 of 1  
Note: To check on the status of the resolution of Thomas DISCUSS.  
Token: David Kessens

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.2.1 New Item

- o draft-hoehrmann-script-types-03.txt  
Scripting Media Types (Informational) - 1 of 4  
Token: Scott Hollenbeck
- o draft-mccobb-xplusv-media-type-04.txt  
XHTML+Voice - application/xhtml-voice+xml (Informational) - 2 of 4  
Token: Scott Hollenbeck
- o draft-froumentin-voice-mediatypes-02.txt  
The W3C Speech Interface Framework Media Types: application/voicexml+xml,  
application/ssml+xml, application/srgs, application/srgs+xml,  
application/ccxml+xml and application/pls+xml (Informational) - 3 of 4  
Token: Scott Hollenbeck
- o draft-hoffman-hash-attacks-04.txt  
Attacks on Cryptographic Hashes in Internet Protocols (Informational) - 4 of 4  
Token: Russ Housley

#### 3.2.2 Returning Item

- o Three-document ballot: - 1 of 2  
- draft-katz-submitter-01.txt  
SMTP Service Extension for Indicating the Responsible Submitter of an E-mail Message (Experimental)  
Note: Please check update ballot write-up
- draft-lyon-senderid-core-01.txt  
Sender ID: Authenticating E-Mail (Experimental)  
Note: Sent to dea-dir
- draft-lyon-senderid-pra-01.txt  
Purported Responsible Address in E-Mail Messages (Experimental)  
Note: Sent to dea-dir  
Token: Ted Hardie
- o draft-schlitt-spf-classic-02.txt  
Sender Policy Framework (SPF) for Authorizing Use of Domains in E-MAIL, version 1 (Experimental) - 2 of 2  
Note: Please check updated ballot

Token: Ted Hardie

### 3.3 Individual Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

Other matters may be recorded in comments to be passed on to the RFC Editor as community review of the document.

#### 3.3.1 New Item

- o draft-kompella-ccc-02.txt  
Circuit Cross-Connect (Informational) - 1 of 1  
Token: Mark Townsley

#### 3.3.2 Returning Item

NONE

#### 3.3.3 For Action

- o draft-klensin-reg-guidelines-08.txt  
Suggested Practices for Registration of Internationalized Domain Names  
(IDN) (Informational) - 1 of 1  
Token: Brian Carpenter

### 4. Working Group Actions

#### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Manet Autoconfiguration (autoconf) - 1 of 2  
Token: Margaret Wasserman
- o Calendaring and Scheduling Standards Simplification (calsify) - 2 of 2  
Token: Ted Hardie

##### 4.1.2 Proposed for Approval

- o Layer 1 Virtual Private Networks (l1vpn) - 1 of 3  
Token: Alex Zinin
- o Transparent Interconnection of Lots of Links (trill) - 2 of 3

- Token: Margaret Wasserman
- o Site Multihoming by IPv6 Intermediation (shim6) - 3 of 3
- Token: Margaret Wasserman
- 4.2 WG Rechartering
- 4.2.1 Under evaluation for IETF Review
- o Audio/Video Transport (avt) - 1 of 1
- Token: Allison Mankin
- 4.2.2 Proposed for Approval
- o Protocol for carrying Authentication for Network Access (pana) - 1 of 1
- Token: Mark Townsley

5. IAB News We can use

6. Management Issue

6.1 The Reuse of SPF version 1 Records (Ted Hardie)

7. Agenda Working Group News

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the June 23, 2005 IESG Teleconference

This package was generated at 17:40:58 EDT, June 20, 2005.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, June 23, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

o If you are unable to participate, then please write "Regrets" after your name.

- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Brian Carpenter---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in  
David Kessens---Will call in  
Allison Mankin---Will call in  
Dave Meyer---Will call in  
Ray Pelletier---Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Regrets  
Barbara Roseman---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent

to  
the company hosting the call. In some cases, participants from certain  
international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to  
do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by  
other  
participants. A tone will sound as others join the conference.

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#### TOLL-FREE NUMBERS

Country	Number
Argentina Dial-In #:	08006660275
Australia Dial-In #:	1800004017
Austria Dial-In #:	0800293225
Bahamas Dial-In #:	18003890371
Belgium Dial-In #:	080070189
Brazil Dial-In #:	08008916634
China Dial-In #:	108001400446
Colombia Dial-In #:	018009198732
Czech Republic Dial-In #:	800142528
Denmark Dial-In #:	80880221
Dominican Republic Dial-In #:	18887514594
Finland Dial-In #:	0800112488
France Dial-In #:	0800917496
Germany Dial-In #:	08001818365
Greece Dial-In #:	0080016122038903
Hong Kong Dial-In #:	800901760
Hungary Dial-In #:	0680015661
Iceland Dial-In #:	8008234
Indonesia Dial-In #:	008800105397
Ireland Dial-In #:	1800550668
Israel Dial-In #:	1809458905
Japan Dial-In #:	00531160236
Korea (South) Dial-In #:	00308140464
Latvia Dial-In #:	8002033
Lithuania Dial-In #:	880030145
Luxembourg Dial-In #:	80024217
Malaysia Dial-In #:	1800807300
Mexico Dial-In #:	0018005148732
Monaco Dial-In #:	80093175
Netherlands Dial-In #:	08000235265

New Zealand Dial-In #: 0800441382  
Norway Dial-In #: 80013184  
Poland Dial-In #: 008001114592  
Portugal Dial-In #: 800819682  
Puerto Rico Dial-In #: 18664031409  
Russian Federation Dial-In #: 81080022581012  
Saint Kitts and Nevis Dial-In #: 18007449294  
South Africa Dial-In #: 0800994887  
Spain Dial-In #: 900981518  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905  
Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

1.3 Approval of the Minutes  
DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the June 9, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

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Brian Carpenter / IBM  
Michelle Cotton / ICANN  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / Verisign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Ray Pelletier / ISOC (IAD)

Jon Peterson / NeuStar, Inc.  
Joyce K. Reynolds / RFC Editor  
Barbara Roseman / ICANN (IANA)  
Dinara Suleymanova / IETF Secretariat  
Mark Townsley / Cisco  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / Nokia  
Bert Wijnen / Lucent  
Alex Zinin / Alcatel

## REGRETS

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Leslie Daigle / IAB  
Dave Meyer / Cisco/University of Oregon (IAB Liaison)

## MINUTES

### ----- 1. Administrivia 1.1 Approval of the Minutes

The minutes of the May 26, 2005 IESG Teleconference were approved.  
The Secretariat will place the minutes in the public archives

### 1.2 Documents Approved since the May 26, 2005 IESG Teleconference 1.2.1 Protocol Actions

- o draft-ietf-avt-rtp-bv-04.txt (Proposed Standard)
- o draft-ietf-ipv6-addr-arch-v4-04.txt (Draft Standard)
- o draft-ietf-ipv6-router-selection-07.txt (Proposed Standard)
- o draft-ietf-lemonade-mms-mapping-04.txt (Proposed Standard)

### 1.2.2 Document Actions

- o draft-ietf-speechsc-reqts-07.txt (Informational RFC)
- o draft-ietf-tools-draft-submission-09.txt (Informational RFC)
- o draft-lee-rfc4009bis-02.txt (Informational RFC)
- o draft-lilly-field-specification-04.txt (Informational RFC)
- o draft-lilly-text-troff-04.txt (Informational RFC)
- o draft-mraihi-oath-hmac-otp-04.txt (Informational RFC)

### 1.3 Review of Action Items

DONE:

NONE

DELETED:

NONE

IN PROGRESS:

- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.
- o Jon Peterson to prepare the IESG Projects list to become public

NEW:

NONE

#### 1.4 Review of Projects

#### 2. Protocol Actions

##### 2.1 WG Submissions

###### 2.1.1 New Item

o draft-ietf-ipcdn-docsisevent-mib-06.txt - 1 of 9

Event Notification Management Information Base for DOCSIS Compliant Cable Modems and Cable Modem Termination Systems (Proposed Standard)

Token: Bert Wijnen

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-tls-psk-08.txt - 2 of 9

Pre-Shared Key Ciphersuites for Transport Layer Security (TLS) (Proposed Standard)

Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman.\*

o draft-ietf-geopriv-dhcp-civil-06.txt - 3 of 9

Dynamic Host Configuration Protocol (DHCPv4 and DHCPv6) Option for Civic Addresses Configuration Information (Proposed Standard)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Scott Hollenbeck and David Kessens.\*

o Two document ballot - 4 of 9

- draft-sparks-sip-nit-problems-02.txt

Problems identified associated with the Session Initiation Protocol's non-INVITE Transaction (Informational)

- draft-sparks-sip-nit-actions-03.txt

Actions addressing identified issues with the Session Initiation Protocol's non-INVITE Transaction (Proposed Standard)

Token: Allison Mankin

The documents were approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-mmusic-sdp-media-label-01.txt - 5 of 9

The SDP (Session Description Protocol) Label Attribute (Proposed Standard)

Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-sipping-conference-package-11.txt - 6 of 9

A Session Initiation Protocol (SIP) Event Package for Conference State (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Ted Hardie.\*

o draft-ietf-mip6-mipv6-mib-07.txt - 7 of 9

Mobile IPv6 Management Information Base (Proposed Standard)

Token: Margaret Wasserman

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-entmib-state-07.txt - 8 of 9

Entity State MIB (Proposed Standard)

Token: Bert Wijnen

The document was approved by the IESG pending an RFC Editor Note to be prepared by Bert Wijnen. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-tls-rfc2246-bis-12.txt - 9 of 9  
The TLS Protocol Version 1.1 (Proposed Standard)  
Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley on behalf of IANA.\*

2.1.2 Returning Item  
NONE

## 2.2 Individual Submissions

2.2.1 New Item  
NONE

2.2.2 Returning Item  
NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-grow-bgp-wedgies-02.txt - 1 of 1  
BGP Wedgies (Informational)  
Token: David Kessens

The document was approved by the IESG pending an RFC Editor Note to be prepared by David Kessens. The Secretariat will send a working group submission Document Action Announcement that includes the RFC Editor Note.

#### 3.1.2 Returning Item

o draft-ietf-dnsop-ipv6-dns-issues-10.txt - 1 of 1  
Operational Considerations and Issues with IPv6 DNS (Informational)  
Token: David Kessens

The document remains under discussion by the IESG in order to resolve points raised by Margaret Wasserman.\*

### 3.2 Individual Submissions Via AD

#### 3.2.1 New Item

o draft-mealling-epc-urn-00.txt - 1 of 1  
A Uniform Resource Name Namespace For The EPCglobal Electronic Product Code (EPC) (Informational)  
Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Bill Fenner.\*

### 3.2.2 Returning Item

NONE

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

o draft-reschke-webdav-property-datatypes-09.txt - 1 of 1

Datatypes for WebDAV properties (Experimental)

Token: Ted Hardie

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be supplied by Ted Hardie.

### 3.3.2 Returning Item

o draft-carroll-dynmobileip-cdma-05.txt - 1 of 1

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R) Networks (Informational)

Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by David Kessens.\*

### 3.3.3 For Action

o draft-kompella-ccc-02.txt - 1 of 1

Circuit Cross-Connect (Informational)

Token: Mark Townsley

The document was assigned to Mark Townsley.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

Layer 1 Virtual Private Networks (l1vpn) - 1 of 1

Token: Alex Zinin

The IESG approved the draft working group charter for IETF review pending edits to the text of the charter from Alex Zinin. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (06/23/2005).

#### 4.1.2 Proposed for IETF Approval

Transparent Interconnection of Lots of Links (trill) - 1 of 1  
Token: Margaret Wasserman

The IESG decided that the proposed charter for the working group had changed significantly, and that it needed to be resent for IETF review pending edits to the text of the charter from Margaret Wasserman. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the working group on the agenda in this same category for the next IESG Teleconference (06/23/2005).

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

NONE

##### 4.2.2 Proposed for IETF Approval

Protocol for carrying Authentication for Network Access (pana) - 1 of 1  
Token: Mark Townsley

The IESG decided not to approve the revised charter for the working group at this time. The Secretariat will place the working group on the agenda for the next IESG Teleconference (06/23/2005).

#### 5. IAB News We Can Use

#### 6. Management Issues

##### 6.1 IPv6 Geographic Addressing Approaches (David Kessens)

This management issue was discussed. No one on the 06-09-2005 IESG Teleconference supports holding the IPv6 Geographic Addressing Approaches BoF.

##### 6.2 Volunteers to Test the Proceedings Submission Tool (Brian Carpenter)

This management issue was discussed.

##### 6.3 Introduction to the IAD (Brian Carpenter)

This management issue was discussed. Ray Pelletier was introduced to the IESG.

##### 6.4 Formal liaison with Joint SDO (Bert Wijnen)

This management issue was discussed. The IESG sees no need for a

formal liaison yet. The current (version of Thursday June 10) draft GGF Press release, draft GGF SCRM WG charter and draft FAQ on the topic are okay and do not raise any concerns. The IETF does not want a specific quote in the press release; Bert will encourage (via ops-nm and various WG mailing lists) NM experts from the IETF to participate in the SCRM WG-to-be.

#### 6.5 Expedited Processing for draft-bellovin-mandate-keymgmt-03.txt (Russ Housley)

This management issue was discussed. The IESG approved the expedited handling request for draft-bellovin-mandate-keymgmt-03.txt.

#### 6.6 Network Address Translation-Protocol Translation BOF (natpt) (David Kessens)

This management issue was discussed. Based on the discussion, David Kessens decided not to hold this proposed BoF for now. David will review a potential BoF on this subject again after the natpt reclassification work has been completed (if such a BoF is requested by the proposers).

### 7. Working Group News We Can Use

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\* Please see the ID Tracker (<https://datatracker.ietf.org/public/pidtracker.cgi>) for details on documents that are under discussion by the IESG.

#### 1. Administrivia

##### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: June 13, 2005

IP o Allison Mankin and Thomas Narten to compose a message for the IESG and

IAB related to 3GPP's Release 6 publication deadline and expedited documents.

IP o o Jon Peterson to prepare the IESG Projects list to be public.

#### 1. Administrivia

##### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 7

##### o draft-ietf-sip-identity-05.txt

Enhancements for Authenticated Identity Management in the Session Initiation Protocol (SIP) (Proposed Standard)

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sip-identity-05.txt to Proposed Standard

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Evaluation for draft-ietf-sip-identity-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9634&rflag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9634&rflag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are

needed for approval.

DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Comment [2005-06-20]:

The intro could be clearer about RFC 3261 being reference [1], perhaps by changing "(SIP [1])" to "(SIP, RFC 3261 [1])".

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

sip mailing list <sip@ietf.org>,

sip chair <dean.willis@softarmor.com>,

sip chair <rohan@ekabal.com>

Subject: Protocol Action: 'Enhancements for Authenticated Identity

Management in the Session Initiation Protocol (SIP)' to

Proposed

Standard

The IESG has approved the following document:

- 'Enhancements for Authenticated Identity Management in the Session Initiation

Protocol (SIP) '

<draft-ietf-sip-identity-05.txt> as a Proposed Standard

This document is the product of the Session Initiation Protocol Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-sip-identity-05.txt>

Technical Summary

The existing security mechanisms in the Session Initiation Protocol

are inadequate for cryptographically assuring the identity of the end users that originate SIP requests, especially in an interdomain context. This document specifies a mechanism for securely identifying

originators of SIP messages. It does so by defining two new SIP header fields, Identity, for conveying a signature used for validating the identity, and Identity-Info, for conveying a reference to the certificate of the signer. It specifies the mechanisms and procedures for using these and how they can be used with the existing SIP privacy capabilities.

#### Working Group Summary

This specification required a number of tries and much analysis. There was strong consensus on the solution by the time it reached the version in this draft.

#### Protocol Quality

Eric Rescorla has provided early and significant reviewing of this work. Allison Mankin is the Responsible Area Director.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 7

- o draft-ietf-ippm-owdp-14.txt

A One-way Active Measurement Protocol (OWAMP) (Proposed Standard)

Note: PROTO shepherd: Henk Uijterwaal, henk@ripe.net

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ippm-owdp-14.txt to Proposed Standard

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Evaluation for draft-ietf-ippm-owdp-14.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=6341&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6341&rfc_flag=0)

Last Call to expire on: 2005-06-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

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Brian Carpenter:

Comment [2005-06-09]:

From review by Mark Allman. The first and last points certainly need attention.

- + On page 8 it would seem like the mode value should be chosen from the mode values advertised in the message given on page 7. Right? I think it'd be good to say this.
- + The MBZ fields are often mentioned in the context of filling them in with a "string" of zeros. I think a better word could be chosen here. I understand that we're not really placing a string in the packet. But, more explicitly stating that each bit must be of value zero would be nice. (This is a nit and maybe something that could be clarified by the RFC editor.)

- + Another nit... "uptime" seems like the wrong term. I think "StartTime" would be better since this is an absolute time and not a relative time. I.e., it's when the process started, not how long it has been running. (Right?) (Again, could be fixed with an RFC editor note, I am sure.)
- + I am baffled as to the purpose of the IZP field. I think there needs to be a better paragraph as to what the purpose of this field really is.

Scott Hollenbeck:

Comment [2005-06-06]:

Intro:

"The IETF IP Performance Metrics (IPPM) working group has proposed draft standard metrics for one-way packet delay [RFC2679] and loss [RFC2680] across Internet paths."

2679 and 2680 are PROPOSED (not draft) standards.

Russ Housley:

Discuss [2005-06-16]:

The protocol requires automated key management under the soon-to-be-published BCP 107 (see draft-bellovin-mandate-key-mgmt-03). This BCP requires automated key management under most situations and requires explicit justification when manual key management is used. The use of TLS to protect the command channel appears to be a straightforward solution. If this is adopted, please consider DTLS for the test traffic. One approach that deserves consideration is the transfer of a random secret value on the command channel, and then the use of this (now shared secret) value in DTLS with PSK key management. The PSK document from the TLS WG is in IESG Evaluation, so it will be finished soon.

The structure is tightly coupled with a single encryption algorithm. While I have every confidence in AES, it is highly desirable for protocols to be algorithm independent. At a minimum, the protocol ought to carry an algorithm identifier in the first message sent to the server. If the server cannot support the requested algorithm, then an error is provided (which might include a list of the algorithms that the server does support), and then the TCP connection is closed. Given the structures used in this protocol, major changes would be needed to accommodate a cipher that has a block size other than 128 bits. At a minimum, I would like the security considerations to

acknowledge this design decision. There are several ciphers with 128-bit blocks, so it is still straightforward to make this protocols less dependent on AES. AES ought to be the mandatoy to implement cipher.

Further, the session-key needs to support more than 128-bit AES keys. Since the protocol designers prefer fixed-length messages, this might be accomplished by providing a very long session key that is truncated for use with a particular cipher. This is the approach used in EAP. This approach would accomodate AES-128, AES-192, AES-256, Camellia, SEEK, and many other block ciphers.

A key derivation function (KDF) will also be needed. Currently, the KDF is the encryption of the 16-octet SID by the session key. A KDF that is capable of generating keys of differing sizes is needed.

Section 3.1 says:

>  
> If the shared secret is provided as a passphrase (typical for the  
> case of interactive tools) then the MD5 sum [RFC1321] of the  
> passphrase (without possible newline character(s) at the end of the  
> passphrase) MUST be used as the key for encryption by the client and  
> decryption by the server (the passphrase also MUST NOT contain  
> newlines in the middle). This ensures that a passphrase used to  
> generate a secret in one implementation will generate the same  
> secret in another implementation and the implementations will,  
> therefore, be interoperable.

>  
I understand the need to specify a means of translating a pass-phrase into a shared secret. However, PKCS #5 (see RFC 2898) is the normal way that this is done. If PKCS #5 (with PBKDF2) is not adopted, then the security considerations ought to explain why this algorithm is more appropriate for this protocol. Further, given the environment already requires tight time sync, the time could be used as a salt in the key derivation. Obviously, the use of a very finer grained time would be problematic, but the year, month, day and hour in UTC would probably be very useful.

The document provides an incorrect description of how secret keys work. It says, "secret keys, rather than having the low entropy typical of passwords, are suitable for use as AES keys," and then goes on to describe how to generate a key from a password. Such a key is going to have exactly the same amount of entropy as the password from which it is generated.

The IZP integrity mechanism is very flawed. Since CBC will sync

after two blocks, it does not provide the intended message integrity and authentication that is intended. I am not sure that this can be exploited given the current message layouts; I did not take the time to look for places where adjacent blocks contain data that an attacker might want to tamper. Regardless, future extensions to the protocol might add fields to the messages that make this attack simple. In short, the use of CBC mode with a constant to provide integrity protection is not acceptable. Consider using AES-CCM or AES-GCM when confidentiality and integrity are both needed.

The discussion of encryption is not clear. For example, the discussion of the Request-Session message does not state which part of the message is encrypted. The IV preprocessing is very unclear. Test vectors and clear descriptions are needed.

Section 6 includes a discussion of why TLS was not used. I can see the reasons for not using TLS for the test protocol. However, these reasons do not extend to DTLS. Further, TLS seems like a good choice for the protection of the command channel. The use of TLS would address the concerns about automated key management and would provide sound integrity protection for the command channel.

Please reference RFC 4086 (a.k.a. BCP 106) instead of RFC 1750.

Comment [2005-06-16]:

The 2nd paragraph of section 2 says:

>

> The initiator of the measurement session establishes a TCP connection

> to a well-known port on the target point and this connection remains

> open for the duration of the OWAMP-Test sessions. IANA will be

> requested to allocate a well-known port number for OWAMP-Control

> sessions. An OWAMP server SHOULD listen to this well-known port.

>

I think that this paragraph should be written in a manner that makes it simple for implementors once IANA assigns the well-known port number.

For, example, the text could say: "The initiator of the measurement session establishes a TCP connection to a well-known port XX on the target and this connection remains open for the duration of the OWAMP-Test sessions. [RFC Editor: Please replace 'XX' with the value assigned by IANA.]"

The well-known port concern surfaces several other places. I will not

point out each one, but I believe that the reader will be well served if each of them is handled as described above.

Some protocol messages do not have names. This makes it difficult to comment on the protocol. For example, the message sent by the Control-Client or a Fetch-Client as part of session set-up is discussed on page 8. The protocol message has a clear description, but without a protocol message name, it takes a lot of words to reference a particular message. Solving this is not a big deal. For example, the document currently says:

>  
> Otherwise, the client MUST respond with the following message:  
>  
This could be replaced with:  
>  
> Otherwise, the client MUST respond with the Set-Up-Response message:

I wish that the 'Username' field had a different name. It does not name a user. It names a shared secret. In other protocols, this would be called a key identifier (KeyID).

Bert Wijnen:

Comment [2005-06-09]:

Review comments from a AAA-Doctor (Jari) and author/editor has agreed (to at least part of it) and I think has revised text.

--- comments from Jari follows:

I read this draft based on Bert's request.  
Here are my comments:

Overall:

I like this draft, its very exciting technology. I'm eager to start testing it, when it becomes available on the types of machines that I use.

The draft is mostly OK. I noted some nits. The main technical concern I have is tightening up the denial-of-service protection text.

Note that I'm not a IPPM expert and this is the first time I read this draft. I may have missed something obvious. If so, let me know.

Technical:

> 6.2. Preventing Third-Party Denial of Service

- >
- > OWAMP-Test sessions directed at an unsuspecting party could be used
- > for denial of service (DoS) attacks. In unauthenticated mode,
- > servers SHOULD limit receivers to hosts they control or to the
- OWAMP-
- > Control client.

The above text is good, but I would like to tighten the rule a little bit. Maybe by adding this:

"Specifically, unless otherwise configured, the default behavior of servers MUST be to decline requests where the Receiver Address field is not equal to the address that the control connection was initiated from. Given the TCP handshake procedure and sequence numbers in the control connection, this ensures that the hosts that make such requests are actually those hosts themselves, or at least on the path towards them. If either this test or the handshake procedure were omitted, it would become possible for attackers anywhere in the Internet to request large amounts of test packets be directed against victim nodes somewhere else.

In any case, servers MUST decline all requests where the Sender Address is not either the server's own address or the address of a node that it controls; OWDP-Test packets with a given source address can only be sent from the node that has been assigned that address."

- > payload of a single ATM cell (this is only achieved in
- > unauthenticated and encrypted modes).

I have to wonder whether this should read "unauthenticated and unencrypted", but I'm reading on... Section 4.1.2 shows the authenticated and encrypted modes to have the same format, and neither EBC or CBC modes should add any overhead. What am I missing? Why does an encrypted mode packet fit an ATM cell but an authenticated does not? And I don't see a MAC field anywhere.

- > The protocol does not carry any information in a natural language.

I would actually prefer the Username field to be in UTF-8, rather than Octet. (It would be even better if it were possible to have

longer than 16 byte usernames, in case someone later wants to use AAA or something for the shared secret management of OWDP. But I can see that changing that would be a too big change for the protocol formats.)

> 7. IANA Considerations

>

> IANA is requested to allocate a well-known TCP port number for the  
> OWAMP-Control part of the OWAMP protocol.

How about Accept values? Might make sense to have a rule about adding those. Say, Standards Action.

Editorial:

> hosts

> increasingly have available to them very accurate time

> sources

Maybe "very accurate time sources are increasingly available to hosts", which sounds better to me (but I'm not a native speaker).

--Jari

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ippm mailing list <ippm@ietf.org>,

ippm chair <henk@ripe.net>,

ippm chair <matt@internet2.edu>

Subject: Protocol Action: 'A One-way Active Measurement Protocol  
(OWAMP)' to Proposed Standard

The IESG has approved the following document:

- 'A One-way Active Measurement Protocol (OWAMP) '  
<draft-ietf-ippm-owdp-14.txt> as a Proposed Standard

This document is the product of the IP Performance Metrics Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

## Technical Summary

With growing availability of good time sources to network nodes, it becomes increasingly possible to measure one-way IP performance metrics with high precision. To do so in an interoperable manner, a common protocol for such measurements is required. The One-Way Active Measurement Protocol (OWAMP) can measure one-way delay, as well as other unidirectional characteristics, such as one-way loss. This document is an implementation of the requirements draft (RFC 3763) published earlier.

## Working Group Summary

The working group extensively worked on requirements for this protocol (which were approved by the IESG in 2004 and published as RFC 3763), and in general, developed this protocol for about three years, with a great deal of participation and discussion from experience. The decision to advance had strong working group support. There were no IETF Last Call comments.

## Protocol Quality

Three implementations of the protocol exist, a forth h site has indicated that they will implement this. This protocol sits on top of IPPM metrics (RFC2330, 2678-2681). The group of users of these metrics have all expressed interest in this protocol.

The security section of RFC3763 took a long time to complete. In order to make sure that this document met the security requirements set for in that document, a security review has been done by Sam Weiler. His comments have been incorporated. The Responsible Area Director also reviewed the document against RFC 3763, and the shepherding Chair, Henk Uijterwaal, reviewed the detailed security support.

Henk Uijterwaal has shepherded this specification.

## Note to the RFC Editor

(if any)

Note to the IANA

(if any)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 7

o draft-ietf-dhc-dna-ipv4-12.txt

Detecting Network Attachment (DNA) in IPv4 (Proposed Standard)

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dhc-dna-ipv4-12.txt to Proposed Standard

-----

Evaluation for draft-ietf-dhc-dna-ipv4-12.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10756&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10756&rfc_flag=0)

Last Call to expire on: 2005-05-24

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]

Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

dhc mailing list <dhcwg@ietf.org>,

dhc chair <rdroms@cisco.com>,

dhc chair <venaas@uninett.no>

Subject: Protocol Action: 'Detection of Network Attachment (DNA) in IPv4' to Proposed Standard

The IESG has approved the following document:

- 'Detection of Network Attachment (DNA) in IPv4 '  
<draft-ietf-dhc-dna-ipv4-11.txt> as a Proposed Standard

This document is the product of the Dynamic Host Configuration Working Group.

The IESG contact persons are Margaret Wasserman and Mark Townsley.

√. - Technical Summary

- √. (Abstract from "Detection of Network Attachment (DNA) in IPv4")
- √. The time required to detect movement (or lack of movement) between
- √. subnets, and to obtain (or continue to use) a valid IPv4 address may
- √. be significant as a fraction of the total delay in moving between
- √. points of attachment.√. This document synthesizes experience garnered
- √. over the years in the deployment of hosts supporting ARP, DHCP and
- √. IPv4 Link-Local addresses.√. A procedure is specified for detection

of

- √. network attachment in order to better accommodate mobile hosts.

- √. The document addresses a need for compilation of experiences with
- √. various protocol specifications and formal description of protocol
- √. operation based on those experiences.√. Members of the dhc WG
- √. provided significant expert input based on experience with DHCP
- √. client/server deployment and operation.

- √. - Working Group Summary

- √. The dhc WG was actively involved in the development of this
- √. document and provided significant input.√. The consensus of the WG
- √. is to submit the document for publication.√. The issues raised
- √. during discussion of this document, including the WG last call, are
- √. listed at <http://www.drizzle.com/~aboba/DNA/>

- √. - Protocol Quality

- √. This document does not define a protocol; rather, it provides a
- √. formal description of procedures for host movement that are useful
- √. in protocols like DHCP and IPv4 link-local addresses.√. The quality
- √. of the document is excellent.

This document was reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 7

- o draft-ietf-atompub-format-09.txt

The Atom Syndication Format (Proposed Standard)

Note: Paul Hoffman <[phoffman@imc.org](mailto:phoffman@imc.org)> is the shepherd for the atompub working group.

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-atompub-format-09.txt to Proposed  
Standard

-----

Evaluation for draft-ietf-atompub-format-09.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11964&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11964&rfc_flag=0)

Last Call to expire on: 2005-05-04

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
atompub mailing list <atom-syntax@imc.org>,

atompub chair <paul.hoffman@vpnc.org>,  
atompub chair <tbray@textuality.com>  
Subject: Protocol Action: 'The Atom Syndication Format' to Proposed  
Standard

The IESG has approved the following document:

- 'The Atom Syndication Format '  
<draft-ietf-atompub-format-09.txt> as a Proposed Standard

This document is the product of the Atom Publishing Format and Protocol  
Working

Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-atompub-format-09.txt>

Technical Summary:

This document describes the Atom format for syndication. It is XML-based and is considered to be the successor to the earlier RSS formats. Its primary use is for web-based content, but is expected to be used for non-web content as well, such as personal news feeds.

Working Group Summary:

Some members of the working group remain unenthusiastic about some sections of the document, but the chairs strongly believe that there is rough (or better) consensus in support of the document as a whole. For some of the parts with the most contention, there cannot be more than very rough consensus due to basic differences in the way people would design parts of the format, particularly given that we have many models in existence with the different flavors of RSS. For some parts of the document, there is contention about whether or not a particular item should or should not be in the Atom core versus being an extension. For some parts, there is contention whether there should be MUST/SHOULD/MAY leeway for content creators in the presence or absence of an element, or the semantic content of an element; the group really pushed RFC 2119 around during the past few months.

Protocol Quality

Scott Hollenbeck and the XML Directorate have reviewed the specification

for the IESG. Test implementations have confirmed basic protocol soundness.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 7

- o draft-ietf-sipping-cc-conferencing-07.txt

Session Initiation Protocol Call Control - Conferencing for User Agents  
(BCP)

Note: PROTO shepherd: gonzalo.camarillo@ericsson.com

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sipping-cc-conferencing-07.txt to BCP

-----

Evaluation for draft-ietf-sipping-cc-conferencing-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10219&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10219&rfc_flag=0)

Last Call to expire on: 2005-05-20

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ . ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ X ]	[ ]	[ ]

Allison Mankin	[ X ]	[   ]	[   ]	[   ]
Jon Peterson	[   ]	[ X ]	[   ]	[   ]
Mark Townsley	[   ]	[ X ]	[   ]	[   ]
Margaret Wasserman	[   ]	[ X ]	[   ]	[   ]
Bert Wijnen	[   ]	[   ]	[   ]	[   ]
Alex Zinin	[   ]	[ X ]	[   ]	[   ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-06]:

Text uses RFC 2119 terminology but the reference [1] to RFC 2119 is not cited.

Even in the pending -07 version the citation is not a real citation.

Russ Housley:

Comment [2005-06-20]:

Why is this a BCP? It seems like Proposed Standard would work fine.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
 RFC Editor <rfc-editor@rfc-editor.org>,  
 sipping mailing list <sipping@ietf.org>,  
 sipping chair <gonzalo.camarillo@ericsson.com>,  
 sipping chair <dean.willis@softarmor.com>,  
 sipping chair <rohan@ekabal.com>

Subject: Protocol Action: 'Session Initiation Protocol Call Control -  
 Conferencing for User Agents' to BCP

The IESG has approved the following document:

- 'Session Initiation Protocol Call Control - Conferencing for User  
 Agents '

<draft-ietf-sipping-cc-conferencing-06.txt> as a BCP

This document is the product of the Session Initiation Proposal Investigation Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

## Technical Summary

This specification defines conferencing call control features for the Session Initiation Protocol (SIP). This document builds on the Conferencing Requirements and Framework documents to define how a tightly coupled SIP conference works. The approach is explored from different user agent (UA) types perspective: conference-unaware, conference-aware and focus UAs. The use of URIs in conferencing, OPTIONS for capabilities discovery, and call control using REFER are covered in detail with example call flow diagrams. The usage of the isfocus feature tag is defined.

This specification uses the concepts and definitions from the WG's "High Level Requirements for Tightly Coupled SIP Conferencing," and "A Framework for Conferencing with the Session Initiation Protocol," approved earlier. In the tightly coupled architecture, a UA, known as participant, establishes a SIP dialog with another UA, known as focus. The focus is the central point of control, authentication and authorization. This specification defines the operations of a focus and participant UAs. Not that only the signaling (SIP) needs to be centralized in this model - the media can be centrally mixed, distributed, or even multicast (by the nature of the media descriptions that the model establishes). For a full discussion of this architecture, see the SIP conferencing Framework mentioned already. already.

This document presents the basic call control (dial-in and dial-out) conferencing building blocks from the UA perspective. Possible applications include ad-hoc conferences and scheduled conferences.

## Working Group Summary

The working group strongly supported advancing this document.

3GPP and OMA have notified the IETF that this specification is a

critical dependency.

#### Protocol Quality

Allison Mankin reviewed the specification for the IESG. It was revised to add specific security considerations. Due to a General Area Directorate Review, it was revised to add some additional context and introduction.

Gonzalo Camarillo has been the working group shepherd.

#### Note to the RFC Editor

(if any)

#### Note to the IANA

(if any)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 7

- o draft-ietf-imapext-2086upd-07.txt  
IMAP4 ACL extension (Proposed Standard)  
Note: Proto shepherd is Lisa Dusseault  
<lisa@osafoundation.org>  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-imapext-2086upd-07.txt to Proposed Standard

-----

Evaluation for draft-ietf-imapext-2086upd-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12288&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12288&rfc_flag=0)

Last Call to expire on: 2005-06-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Discuss [2005-06-20]:

This specification depends on SASLprep, which is defined in RFC 4013. The security considerations of RFC 4013 say:

>  
> This profile is intended to prepare simple user name and password  
> strings for comparison or use in cryptographic functions (e.g.,  
> message digests). The preparation algorithm was specifically  
> designed such that its output is canonical, and it is well-formed.  
> However, due to an anomaly [PR29] in the specification of Unicode  
> normalization, canonical equivalence is not guaranteed for a select  
> few character sequences. These sequences, however, do not appear in  
> well-formed text. This specification was published despite this  
> known technical problem. It is expected that this specification  
will  
> be revised before further progression on the Standards Track (after

> [Unicode] and/or [StringPrep] specifications have been updated to  
> address this problem).

>

The security considerations of this document need to address this point.

How does this situation impact ACL processing?

^L

----- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
imapext mailing list <ietf-imapext@imc.org>,  
imapext chair <presnick@qualcomm.com>,  
imapext chair <lisa@osafoundation.org>

Subject: Protocol Action: 'IMAP4 ACL extension' to Proposed Standard

The IESG has approved the following document:

- 'IMAP4 ACL extension '  
<draft-ietf-imapext-2086upd-07.txt> as a Proposed Standard

This document is the product of the Internet Message Access Protocol  
Extension  
Working Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-imapext-2086upd-07.txt>

#### Technical Summary

The ACL (Access Control List) extension (RFC 2086) of the Internet Message Access Protocol (IMAP) permits mailbox access control lists to be retrieved and manipulated through the IMAP protocol. This document is a revision of RFC 2086. It defines several new access control rights and clarifies which rights are required for different IMAP commands.

#### Working Group Summary

The document has been reviewed by key working group members and implementers. Consensus was reached, and there are no known issues risking appeal.

## Protocol Quality

Scott Hollenbeck has reviewed this specification for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 7

- o draft-ietf-smime-certcapa-05.txt

X.509 Certificate Extension for S/MIME Capabilities (Proposed Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-smime-certcapa-05.txt to Proposed Standard

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Evaluation for draft-ietf-smime-certcapa-05.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12384&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12384&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]

Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

smime mailing list <ietf-smime@imc.org>,

smime chair <turners@ieca.com>,

smime chair <blake@sendmail.com>

Subject: Protocol Action: 'X.509 Certificate Extension for S/MIME Capabilities' to Proposed Standard

The IESG has approved the following document:

- 'X.509 Certificate Extension for S/MIME Capabilities '  
<draft-ietf-smime-certcapa-04.txt> as a Proposed Standard

This document is the product of the S/MIME Mail Security Working Group.

The IESG contact persons are Russ Housley and Sam Hartman.

#### Technical Summary

This protocol provides an X.509 public key certificate extension to indicate

the end entity's S/MIME cryptographic capabilities. It is an optional,

non-critical extension.

#### Working Group Summary

Initially, the major discussion point was whether this mechanism, which is considered a "static" mechanism, is better or worse than a more "dynamic" mechanism, which could change without affecting the public key certificates contents. The WG decided to allow for the possibility of another editor could step for to define the "dynamic" mechanism, but that this "static" mechanism should be allowed to proceed. The other discussions on the draft were considered minor, mostly dealt with the security considerations wording, and these issues were resolved quickly.

#### Protocol Quality

The protocol is implemented by one vendor already in a number of their products.

This document was reviewed by Russ Housley for the IESG.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.2 Returning Item - 1 of 3

- o draft-ietf-ldapbis-protocol-31.txt  
LDAP: The Protocol (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ldapbis-protocol-31.txt to Proposed Standard

-----

Evaluation for draft-ietf-ldapbis-protocol-31.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=6445&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6445&rfc_flag=0)

Last Call to expire on: 2005-04-29

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ldapbis mailing list <ietf-ldapbis@openldap.org>, ldapbis chair  
<kurt@openLDAP.org>, ldapbis chair <rlmorgan@washington.edu>  
Subject: Protocol Action: 'LDAP: The Protocol' to None

The IESG has approved the following document:

- 'LDAP: The Protocol '  
    <draft-ietf-ldapbis-protocol-25.txt> as a None

This document is the product of the LDAP (v3) Revision Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

#### Technical Summary

This document describes the protocol elements, along with their semantics and encodings, of the Lightweight Directory Access Protocol (LDAP). LDAP provides access to distributed directory services that act in accordance with X.500 data and service models. These protocol elements are based on those described in the X.500 Directory Access Protocol (DAP)

#### Working Group Summary

This document is a major work item of the LDAPBIS working group; it has seen extensive discussion and revision over the course of time. The working group came to consensus on this document. There were some comments received during Last Call, and these have been addressed in this version.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 2 of 3

- o draft-ietf-nntpxt-base-27.txt

Network News Transfer Protocol (Proposed Standard)

Note: Document shepherd: Russ Allbery <rra@stanford.edu>;.

Returning

to secure positive ballots needed due to AD changes since the document was

last reviewed.

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-nntpxt-base-27.txt to Proposed Standard

-----

Evaluation for draft-ietf-nntpxt-base-27.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=2739&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=2739&rft_flag=0)

Last Call to expire on: 2005-06-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ X ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ . ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ X ]
David Kessens	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]

Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ . ]	[ X ]
Thomas Narten	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment [2004-04-13]:

Since this document updates the NNTP specification to use UTF-8 instead of

ASCII, it would be useful to define the terms "NUL", "TAB", "LF", "CR, and

"space" etc.

with reference to UTF-8 instead of to ASCII. The restrictions to printable

US-ASCII should specify those or refer to a specification for them (in UTF-8

terms, again).

In 3.1., the document says

Note that texts using an encoding (such as UTF-16 or UTF-32) that may contain the octets NUL, LF, or CR other than a CRLF pair cannot be reliably conveyed in the above format. However, except when stated otherwise, this specification does not require the content to be UTF-8 and it is possible for octets above and below 128 to be mixed arbitrarily.

Does not make sense to me. The document describes this as a request-response protocol using the utf-8 encoding, but allows the content of responses to be in some other encoding, where some of those encoding are known not to be reliably conveyed by the request/response format.

The document says

Certain responses contain arguments such as numbers and names in addition to the status indicator. In those cases, to simplify interpretation by the client the number and type of such arguments is fixed for each response code, as is whether or not the code introduces a multi-line response. Any extension MUST follow this principle as well, but note that, for historical reasons, the 211 response code is an exception to this.

What the exception is not stated at this point in the text; the next usage is in an example, which is thus rendered hard to interpret.

The draft says this:

The content of a header SHOULD be in UTF-8. However, if a server receives an article from elsewhere that uses octets in the range 128 to 255 in some other manner, it MAY pass it to a client without modification. Therefore clients MUST be prepared to receive such headers and also data derived from them (e.g. in the responses from the OVER extension (Section 8.5)) and MUST NOT assume that they are always UTF-8.

If a client receives headers in some encoding which it does not support, what does this MUST mean?

I concluded that I should abstain on this document while reading section 3.4,  
and I did not review further

Scott Hollenbeck:

Comment [2005-06-16]:  
Late-breaking note from the WG:

"Just in case the base doc gets spun again, the title for the NNTP-STREAM reference is incorrect (cut-n-paste error), and the NNTP-AUTH, NNTP-TLS and NNTP-STREAM file revisions are all out of date."

Russ Housley:

Comment [2004-04-13]:

I do not want to block progress of this specification. However, the security considerations section requires an understanding of XSECRET and XENCRYPT which are not described in the document. Further, the

XSECRET command seems to have a similar use as AUTHINFO in [RFC2980].

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
nntpext mailing list <ietf-nntp@lists.eyrie.org>,  
nntpext chair <ned.freed@mrochek.com>,  
nntpext chair <rra@stanford.edu>

Subject: Protocol Action: 'Network News Transfer Protocol' to Proposed  
Standard

The IESG has approved the following document:

- 'Network News Transfer Protocol '  
<draft-ietf-nntpext-base-27.txt> as a Proposed Standard

This document is the product of the NNTP Extensions Working Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-nntpext-base-27.txt>

#### Technical Summary

The Network News Transfer Protocol (NNTP) has been in use in the Internet for a decade and remains one of the most popular protocols (by volume) in use today. This document is a replacement for RFC 977 and officially updates the protocol specification. It clarifies some vagueness in RFC 977, includes some new base functionality, and provides a specific mechanism to add standardized extensions to NNTP.

#### Working Group Summary

The NNTPEXT WG achieved consensus on this document. The working group revised the document significantly after IESG review took place in April, 2004. A second IETF last call was requested in May 2005 to review the working group's revisions.

## Protocol Quality

Scott Hollenbeck reviewed this specification for the IESG.

This document was reviewed by Russ Allbery, comparing it against the existing INN NNTP implementation. INN intends to make the necessary changes to fully implement this protocol. It has also been reviewed by other NNTP server and client authors in the NNTPEXT WG group and by participants in the news.software.nntp Usenet newsgroup.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 3 of 3

##### o draft-ietf-simple-xcap-07.txt

The Extensible Markup Language (XML) Configuration Access Protocol (XCAP)

(Proposed Standard)

Note: Returning to see if we can clear Margaret's discuss.

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-simple-xcap-07.txt to Proposed Standard

-----

Evaluation for draft-ietf-simple-xcap-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10621&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10621&rfc_flag=0)

Last Call to expire on: 2004-12-28

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ . ]	[ ]
David Kessens	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ X ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Thomas Narten	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Margaret Wasserman:

Discuss [2005-05-18]:

I have removed my first two questions based on follow-on discussion. However, I am still concerned about this one:

In the NETCONF WG, we are running an XML based configuration protocol over SSH.

In that case, it was considered important that we run the protocol on a NETCONF-specific port (not the standard SSH port), so that configuration traffic could be filtered without filtering other SSH traffic. Should a similar mechanism (an XCAP-specific port) be used for this protocol, so that firewalls can filtering encrypted XCAP traffic while allowing other HTTP traffic?

Has this tradeoff been discussed in the WG? What are the security implications of allowing a configuration protocol to run on the standard HTTP port? I'd at

least like to see this decision justified in the Security Considerations section.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

simple mailing list <simple@ietf.org>,

simple chair <RjS@xten.com>,

simple chair <hisham.khartabil@telio.no>

Subject: Protocol Action: 'The Extensible Markup Language (XML)  
Configuration Access Protocol (XCAP)' to Proposed Standard

The IESG has approved the following document:

- 'The Extensible Markup Language (XML) Configuration Access Protocol  
(XCAP) '

<draft-ietf-simple-xcap-05.txt> as a Proposed Standard

This document is the product of the SIP for Instant Messaging and  
Presence  
Leveraging Extensions Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

#### Technical Summary

In many communications applications, such as Voice over IP, instant messaging, and presence, it is necessary for network servers to access per-user information in the process of servicing a request. While this per-user information resides on servers within the network, it

is managed by the end user themselves. Management can be done through many access points, including the web, a wireless handset, or a PC application.

Among these per-user information stores are presence lists and authorization

policies, requirements for which have been specified by the SIMPLE working group.

This specification describes a protocol that can be used to

manipulate this per-user data. XCAP is essentially a set of conventions for mapping XML documents and document components into HTTP URLs, rules for how the modification of one resource affects another, data validation constraints, and authorization policies associated with access to those resources. Because of this structure, normal HTTP primitives can be used to manipulate the data. XCAP is meant to support the configuration needs for a multiplicity of applications, rather than just a single one. It is not, however, a general purpose XML search protocol or XML database update protocol.

#### Working Group Summary

The working group came to consensus on this approach after significant discussion of the trade-offs. Adoption of an existing specification, like XPATH, was considered, but the balance of capabilities did not seem right to the working group; instead a more restricted set of capabilities tuned to this specific use case was agreed. There were comments during the Last Call period, and this document reflects changes made to handle the issues raised.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 1 of 4

o draft-zeilenga-ldap-x509-01.txt

Lightweight Directory Access Protocol (LDAP) schema definitions for X.509

Certificates (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-zeilenga-ldap-x509-01.txt to Proposed Standard

-----

Evaluation for draft-zeilenga-ldap-x509-01.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12428&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12428&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-17]:

Editorial points from review by Elwyn Davies:

>>

>>I found a couple of trivial editorial nits:

>>s.1, para 3: 2nd bullet: s/updated/updates/

>>s.6, para 2: s/In absence/In the absence/

>>s.8, para 1: s/to refine LDAP/to refine the LDAP/

>>

>>The acronyms GSER, DER and ABNF could do with expansion on first occurrence.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Lightweight Directory Access Protocol  
(LDAP) schema definitions for X.509 Certificates' to Proposed  
Standard

The IESG has approved the following document:

- 'Lightweight Directory Access Protocol (LDAP) schema definitions for  
X.509

Certificates '

<draft-zeilenga-ldap-x509-01.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

This document describes schema for representing X.509 certificates,  
X.521 security information, and related elements in directories

accessible using the Lightweight Directory Access Protocol (LDAP).  
The LDAP definitions for these X.509 and X.521 schema elements  
replaces those provided in RFC 2252 and RFC 2256.

#### Working Group Summary

This document is the product of an individual submitter. The document  
was announced both on the LDATEXT mailing list and the PKIX mailing  
list.

No objections were raised during IETF Last Call.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a  
reasonable basis on which to build the salient part of the  
Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 4

- o draft-zeilenga-ldap-assert-05.txt

The LDAP Assertion Control (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-zeilenga-ldap-assert-05.txt to Proposed  
Standard  
-----

Evaluation for draft-zeilenga-ldap-assert-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10289&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10289&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Protocol Action: 'The LDAP Assertion Control' to Proposed  
Standard

The IESG has approved the following document:

- 'The LDAP Assertion Control '  
    <draft-zeilenga-ldap-assert-05.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document defines the Lightweight Directory Access Protocol (LDAP) assertion control. The assertion control allows the client to specify a condition which must be true for the operation to be processed normally. Otherwise the operation fails. For instance, the control can be used with the Modify operation to perform atomic "test and set" and "test and clear" operations.

The control may be attached to any update operation to support conditional addition, deletion, modification, and renaming of the target object. The asserted condition is evaluated as an integral part the operation.

#### Working Group Summary

This document is the product of an individual submitter. It was discussed informally in the LDAPEXT working group, and at an informal BoF announced on the LDAPEXT mailing list.  
No issues were raised during IETF Last Call.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 3 of 4

- o draft-zeilenga-ldap-t-f-10.txt

LDAP Absolute True and False Filters (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-zeilenga-ldap-t-f-10.txt to Proposed Standard

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Evaluation for draft-zeilenga-ldap-t-f-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8308&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8308&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]

Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'LDAP Absolute True and False Filters' to  
Proposed Standard

The IESG has approved the following document:

- 'LDAP Absolute True and False Filters '  
<draft-zeilenga-ldap-t-f-10.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document extends the Lightweight Directory Access Protocol (LDAP) to support absolute True and False filters based upon similar capabilities found in X.500 directory systems. The document also extends the String Representation of LDAP Search Filters to support these filters. (What does this protocol do and why does the community need it?)

#### Working Group Summary

This document is the work of an individual submitter. It was discussed informally in the LDAPEXT working group.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 4 of 4

- o draft-zeilenga-ldap-readentry-04.txt  
LDAP Read Entry Controls (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-zeilenga-ldap-readentry-04.txt to Proposed Standard

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Evaluation for draft-zeilenga-ldap-readentry-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10531&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10531&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-17]:

Editorial points from review by Scott Brim:

...

Some text suggestions:

If the update operation fails (in either normal or control processing), no response control is provided.

I know this means that no response control is provided for the post-read request, but as a naive reader I had to stop and think whether that meant no response was provided to the update request at all. Not knowing the protocol well, it's hard for me to suggest an improvement, but consider adding "to the post-read request control".

The Pre-Read and Post-Read controls may be combined with each other and/or with a variety of other controls. When combined with the assertion control [Assertion] and/or the manageDsaIT control [RFC3296], the semantics of each control included in the combination

apply. The Pre-Read and Post-Read controls may be combined with other controls as detailed in other technical specifications.

You could delete the last sentence, which is somewhat redundant, if you added "as detailed in other specifications" to the first sentence.

The controls defined in this document extend update operations to support read capabilities. Servers MUST ensure that the client is authorized both for reading of the information provided in this control in addition to ensuring the client is authorized to perform the requested directory update.

That last sentence has too much in it and probably isn't English. How about "Servers MUST ensure that the client is authorized both to read the information provided in this control and to perform the requested directory update"?

A small nit: sometimes it says "a LDAP control" and sometimes "an LDAP control".

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'LDAP Read Entry Controls' to Proposed Standard

The IESG has approved the following document:

- 'LDAP Read Entry Controls '  
<draft-zeilenga-ldap-readentry-04.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

## Technical Summary

This document specifies an extension to the Lightweight Directory Access Protocol (LDAP) to allow the client to read the

target entry of an update operation (e.g., Add, Delete, Modify, ModifyDN). The extension utilizes controls attached to update requests to request and return copies of the target entry. One request control, called the Pre-Read request control, indicates that a copy of the entry before application of update is to be returned. Another control, called the Post-Read request control, indicates that a copy of the entry after application of the update is to be returned. Each request control has a corresponding response control used to return the entry.

To ensure proper isolation, the controls are processed as an atomic part of the update operation.

#### Working Group Summary

This document is the work of an individual submitter. It was discussed informally on the LDATEXT working group mailing list.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

#### 2.2.2 Returning Item

NONE

#### 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 1 of 2

o draft-ietf-rohc-over-reordering-03.txt

RObust Header Compression (ROHC): ROHC over Channels that can Reorder

Packets (Informational)

Note: PROTO shepherd: lars-erik.jonsson@ericsson.com

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-rohc-over-reordering-03.txt to Informational

RFC

-----

Evaluation for draft-ietf-rohc-over-reordering-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12363&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12363&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

rohc mailing list <rohc@ietf.org>,

rohc chair <cabo@tzi.org>,

rohc chair <lars-erik.jonsson@ericsson.com>

Subject: Document Action: 'RObust Header Compression (ROHC): ROHC over Channels that can Reorder Packets' to Informational RFC

The IESG has approved the following document:

- 'RObust Header Compression (ROHC): ROHC over Channels that can Reorder Packets '  
<draft-ietf-rohc-over-reordering-03.txt> as an Informational RFC

This document is the product of the Robust Header Compression Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-rohc-over-reordering-03.txt>

Note to RFC Editor

(if any)

### 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 2 of 2

o draft-ietf-sipping-torture-tests-07.txt

Session Initiation Protocol Torture Test Messages (Informational)

Note: Document was not released till there were five full peer reviews.√.

Tests used in interops..

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sipping-torture-tests-07.txt to Informational

RFC

-----

Evaluation for draft-ietf-sipping-torture-tests-07.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9255&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9255&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

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Brian Carpenter:

Comment [2005-06-20]:

No tests related to IPv6 addresses, as far as I can see. Since IPv6 address contain colons and there are colons in SIP syntax, it might be as well to torture implementations in this area too.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
sipping mailing list <sipping@ietf.org>,  
sipping chair <gonzalo.camarillo@ericsson.com>,  
sipping chair <dean.willis@softarmor.com>,  
sipping chair <rohan@ekabal.com>

Subject: Document Action: 'Session Initiation Protocol Torture Test Messages' to Informational RFC

The IESG has approved the following document:

- 'Session Initiation Protocol Torture Test Messages '  
<draft-ietf-sipping-torture-tests-07.txt> as an Informational RFC

This document is the product of the Session Initiation Proposal Investigation Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-sipping-torture-tests-07.txt>

Note to RFC Editor

(if any)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.2 Returning Item - 1 of 1

- o draft-ietf-dnsop-ipv6-dns-issues-10.txt

Operational Considerations and Issues with IPv6 DNS (Informational)

Note: To check on the status of the resolution of Thomas DISCUSS.

Token: David Kessens

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dnsop-ipv6-dns-issues-10.txt to

Informational

RFC

-----

Evaluation for draft-ietf-dnsop-ipv6-dns-issues-10.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9694&rfc_flag=0)

[command=view\\_id&dTag=9694&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9694&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]

David Kessens	[ X ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ X ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

Steve Bellovin	[ ]	[ X ]	[ . ]	[ ]
Thomas Narten	[ ]	[ ]	[ X ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-07]:

Michael Patton notes:

My major concern is with the number of references that are still ID. Are these IDs really close enough to completion? Actually, in the process of doing the review I had reason to want to refer to several of the IDs for further info and crosschecking, all the ones that I tried to look up were expired. It's probably of enough importance to get this draft out as an RFC that holding it up for another draft still being revised would be unfortunate. But even some of the informative references are fairly important, so I'm not sure where to go on this...

Ted Hardie:

Comment [2004-06-09]:

In 3.1, the draft says:

The solution is to fix or retire those misbehaving implementations, but that is likely not going to be effective. There are some possible ways to mitigate the problem, e.g. by performing the lookups somewhat in parallel and reducing the timeout as long as at least one answer has been received; but such methods remain to be investigated; slightly more on this is included in Section 5.

I note that in the recent MARID interim folks who use DNS lookups as part of related spam abatement procedures talked about using

parallel lookups for a variety of RRs (including A and AAAA) as though it were common practice for them. In particular, they seem to use a set of mechanisms for information sharing between query threads that may be more generally useful. The loosely parallel mechanism looks like an attempt to game a race condition, and that seems like it is unlikely to give consistent results.

Margaret Wasserman:

Discuss [2005-06-09]:

Holding a discuss to determine if Thomas' discuss has been properly addressed.

(See comment log for details of Thomas' discuss)

Alex Zinin:

Comment [2004-06-10]:

Feedback from gen-art (Spencer and Brian): generally useful document; would

benefit mentioning that not all transition mechanisms considered by v6ops or

generally possible are under consideration and why. An editing pass would help

eliminate things like:

Dynamic DNS with SLAAC simpler than forward DNS updates in some regard, while being more difficult in another.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

dnsop mailing list <dnsop@lists.uoregon.edu>, dnsop chair

<dmm@1-4-5.net>,

dnsop chair <sra@hactrn.net>

Subject: Document Action: 'Operational Considerations and Issues with IPv6 DNS' to Informational RFC

The IESG has approved the following document:

- 'Operational Considerations and Issues with IPv6 DNS '

<draft-ietf-dnsop-ipv6-dns-issues-07.txt> as an Informational RFC

This document is the product of the Domain Name System Operations Working Group

The IESG contact persons are David Kessens and Bert Wijnen.

#### Technical Summary

This memo presents operational considerations and issues with IPv6 Domain Name System (DNS).

#### Working Group Summary

This document is a product of the dnsop working group.

#### Protocol Quality

David Kessens reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 1 of 4

- o draft-hoehrmann-script-types-03.txt  
Scripting Media Types (Informational)  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-hoehrmann-script-types-03.txt to

Informational RFC

-----

Evaluation for draft-hoehrmann-script-types-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7686&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7686&rfc_flag=0)

Last Call to expire on: 2005-04-12

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Document Action: 'Scripting Media Types' to Informational RFC

The IESG has approved the following document:

- 'Scripting Media Types '  
<draft-hoehrmann-script-types-03.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-hoehrmann-script-types-03.txt>

### Technical Summary

This document describes the registration of media types for the ECMAScript and JavaScript programming languages and conformance requirements for implementations of these types.. Four new media types are registered in the standards tree: text/javascript (obsolete), pplication/javascript, text/ecmascript (obsolete), and application/ecmascript.

### Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it is has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

### Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG.

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item - 2 of 4

- o draft-mccobb-xplusv-media-type-04.txt

- XHTML+Voice - application/xhtml-voice+xml (Informational)

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-mccobb-xplusv-media-type-04.txt to  
Informational RFC

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Evaluation for draft-mccobb-xplusv-media-type-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11684&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11684&rfc_flag=0)

Last Call to expire on: 2005-06-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'XHTML+Voice - application/xhtml-voice+xml'  
to Informational RFC

The IESG has approved the following document:

- 'XHTML+Voice - application/xhtml-voice+xml '  
<draft-mccobb-xplusv-media-type-04.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-mccobb-xplusv-media-type-04.txt>

#### Technical Summary

This document describes the registration of the MIME sub-type application/xhtml-voice+xml. This sub-type is intended for use as a media descriptor for XHTML+Voice multimodal language documents. The XHTML+Voice 1.2 language specification is maintained by the VoiceXML Forum at <<http://www.voicexml.org/specs/multimodal/x+v/12/>>.

#### Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it is has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

#### Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?  
If

not, what changes would make it so?"

### 3.2.1 New Item - 3 of 4

o draft-froumentin-voice-mediatypes-02.txt

The W3C Speech Interface Framework Media Types: application/voicexml+xml,  
application/ssml+xml, application/srgs, application/srgs+xml,  
application/ccxml+xml and application/pls+xml (Informational)  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-froumentin-voice-mediatypes-02.txt to  
Informational

RFC

-----

Evaluation for draft-froumentin-voice-mediatypes-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13050&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13050&rfc_flag=0)

Last Call to expire on: 2005-06-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'The W3C Speech Interface Framework Media  
Types: application/voicexml+xml, application/ssml+xml,  
application/srgs, application/srgs+xml, application/ccxml+xml  
and  
application/pls+xml' to Informational RFC

The IESG has approved the following document:

- 'The W3C Speech Interface Framework Media Types: application/voicexml  
+xml,  
application/ssml+xml, application/srgs, application/srgs+xml,  
application/ccxml+xml and application/pls+xml '  
<draft-froumentin-voice-mediatypes-02.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Scott Hollenbeck.

A URL of this Internet-Draft is:

[http://www.ietf.org/internet-drafts/draft-froumentin-voice-  
mediatypes-02.txt](http://www.ietf.org/internet-drafts/draft-froumentin-voice-mediatypes-02.txt)

#### Technical Summary

This document defines the media types for the languages of the W3C  
Speech Interface Framework, as designed by the Voice Browser  
Working Group in the following specifications: the Voice Extensible  
Markup Language XML, the Speech Synthesis Markup Language (SSML),  
The Speech Recognition Grammar Specification (SRGS), Call Control  
XML (CCXML) and the Pronunciation Lexicon Specification (PLS).

#### Working Group Summary

This document is the work of an individual submitter. It was

subjected to MIME-types review, but it is has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

## Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG. Implementations of these media types are described in the registration templates.

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item - 4 of 4

- o draft-hoffman-hash-attacks-04.txt

Attacks on Cryptographic Hashes in Internet Protocols  
(Informational)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-hoffman-hash-attacks-04.txt to Informational RFC

-----

Evaluation for draft-hoffman-hash-attacks-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13032&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13032&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Attacks on Cryptographic Hashes in Internet  
Protocols' to Informational RFC

The IESG has approved the following document:

- 'Attacks on Cryptographic Hashes in Internet Protocols '  
<draft-hoffman-hash-attacks-04.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-hoffman-hash-attacks-04.txt>

Technical Summary

Recent announcements of better-than-expected collision attacks in popular one-way hash algorithms have caused some people to question whether common Internet protocols need to be changed, and if so, how. This document summarizes the use of hash algorithms in many protocols, discusses how the collision attacks affect and do not affect the protocols, shows how to thwart known attacks on digital certificates, and discusses future directions for protocol designers.

#### Working Group Summary

This document was not generated by any IETF Working Group.

#### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.2 Returning Item - 1 of 2

###### o Three-document ballot:

- draft-katz-submitter-01.txt

SMTP Service Extension for Indicating the Responsible Submitter of  
an

E-mail Message (Experimental)

Note: Please check update ballot write-up

- draft-lyon-senderid-core-01.txt

Sender ID: Authenticating E-Mail (Experimental)

Note: Sent to dea-dir

- draft-lyon-senderid-pra-01.txt

Purported Responsible Address in E-Mail Messages (Experimental)

Note: Sent to dea-dir

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-katz-submitter-01.txt to Experimental RFC,  
draft-lyon-senderid-core-01.txt to Experimental RFC,  
draft-lyon-senderid-pra-01.txt to Experimental RFC

-----

Evaluation for draft-katz-submitter-01.txt, draft-lyon-senderid-core-01.txt,  
draft-lyon-senderid-pra-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12540&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12540&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ . ]	[ X ]
Scott Hollenbeck	[ ]	[ ]	[ . ]	[ X ]
Russ Housley	[ ]	[ X ]	[ . ]	[ ]
David Kessens	[ ]	[ ]	[ . ]	[ X ]
Allison Mankin	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

Harald Alvestrand [ ] [ X ] [ ] [ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-20]:

I have followed Harald's lead = no objection

Sam Hartman:

Comment [2005-05-25]:

I cannot support publication of this ballot because I believe that the conflicting use of the spf1 records between this proposal and the SPF proposal is harmful to the Internet. Particularly given that there was marid wg consensus on this point I'm unwilling to block publication over this issue although I understand others may.

Scott Hollenbeck:

Comment [2005-06-15]:

(Moving my discuss to a comment to maintain a record of it.)

The Sender ID specifications currently reference draft-lentczner-spf-00. That draft has been superceded by draft-schlitt-spf-classic-00. There are some significant differences between the two SPF drafts that might require mods to the Sender ID drafts to preserve older functionality:

1. When the domain name is malformed or when the DNS query returns "non-existent domain", the Schlitt draft now requires receivers to perform a second DNS query at the "zone cut" in order to find an SPF record. When doing the PRA check, the Sender ID drafts specify an immediate "fail." The second DNS query is not needed and can be addressed via an amendment to draft-lyon-senderid-core-00 in order to preserve the currently specified behavior.

2. The Schlitt draft makes a second DNS query at the zone cut mandatory whenever an SPF record for the domain is not found on the first DNS query. The reliability and/or utility of such a check is debatable. In the case of the PRA check, it would appear to require additional DNS queries in very many cases for questionable benefit. draft-lyon-senderid-core-00 could be amended to state that a second query at the zone cut is OPTIONAL when performing a PRA check.

References etc. will need to be cleaned up as well.

Russ Housley:

Comment [2005-06-20]:

draft-lyon-senderid-core-00 specifies SPF version 2. The title should reflect this fact.

Does draft-lyon-senderid-core-00 obsolete the SPF version 1 document?

Allison Mankin:

Comment [2005-02-03]:

It seems like a good idea to for this work to have documents for experimental deployment.

Is it worth adding references to some documents about remedies in the Security Considerations of senderid-core (specifically to how TCPs decrease risks of blind insert attacks and to the ingress filtering RFC, and to the DNSSEC spec)?

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'SMTP Service Extension for Indicating the Responsible Submitter of an E-mail Message' to Experimental RFC

The IESG has approved the following document:

- 'SMTP Service Extension for Indicating the Responsible Submitter of an E-mail

Message '

<draft-katz-submitter-00.txt> as an Experimental RFC

This document has been reviewed in the IETF but is not the product of an

IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

Please see the IESG note.

#### Working Group Summary

This was originally part of the work of MARID, which was unable to come to consensus on the appropriate set of scopes and facilities for DNS-based email authentication. Because of that lack of consensus, this work is targeted at Experimental, rather than standards track status. It is hoped that additional deployment will help demonstrate which among the proposed scopes and facilities is useful, and that those can later proceed to standards track status.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie and by the DEA Directorate for the Applications Area Directors.

#### RFC Editor Note

Please substitute RFC numbers for the draft document names in the IESG Note.

#### IESG Note

"The following documents (draft-schlitt-spf-classic, draft-katz-submitter, draft-lyon-senderid-core, draft-lyon-senderid-pra) are published simultaneously as Experimental RFCs, although there is no general technical consensus and efforts to reconcile the two approaches have failed. As such these documents have not received full IETF review and are published "AS-IS" to document the different approaches as they were considered in the MARID working group.

The IESG takes no position about which approach is to be preferred and cautions the reader that there are serious open issues for each approach

and concerns about using them in tandem. The IESG believes that documenting the different approaches does less harm than not documenting them.

The community is invited to observe the success or failure of the two approaches during the two years following publication, in order that a community consensus can be reached in the future."

IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.2.2 Returning Item - 2 of 2

- o draft-schlitt-spf-classic-02.txt
  - Sender Policy Framework (SPF) for Authorizing Use of Domains in E-MAIL,
  - version 1 (Experimental)
  - Note: Please check updated ballot
  - Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-schlitt-spf-classic-02.txt to Experimental RFC

-----

Evaluation for draft-schlitt-spf-classic-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12662&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12662&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ X ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ . ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ X ]
Allison Mankin	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ X ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-26]:

I have followed Harald's lead = no objection

Ted Hardie:

Discuss [2005-05-26]:

Further discussion on the intended status and relationship to MARID working group needed.

David Kessens:

Comment [2005-02-03]:

I believe that this solution abuses the DNS.

The DNS was designed as a simple name to address mapping. The DNS is not a very good general purpose database and this solution uses it as such.

I would have much preferred a solution that would be an extension to SMTP that simply checks back with one of the official MTA machines as listed in the 'mx' records for the domain whether the sending machine can be accepted, or just one simple DNS record with the name of the machine which is capable of doing the verification. The resulting protocol would be much simpler as all the configuration of the MTA doesn't need standardization as this information would not need to be published since it is not needed by any other than the 'mx' domain.

From an operational perspective, the DNS solution also has issues since the DNS administrator is not necessarily the same as the mail administrator.

However, the document states:

"The goal of this document is to clearly document the protocol defined by earlier drafts specifications of SPF as used in existing implementations."

As such, I believe that is better to have the mechanism documented.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Document Action: 'Sender Policy Framework: Authorizing Use of  
Domains in E-MAIL' to Experimental RFC

The IESG has approved the following document:

- 'Sender Policy Framework: Authorizing Use of Domains in E-MAIL '  
<draft-schlitt-spf-classic-00.txt> as an Experimental RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

## Technical Summary

Please see the IESG note.

## Working Group Summary

This was originally part of the work of MARID, which was unable to come to consensus on the appropriate set of scopes and facilities for DNS-based email authentication. Because of that lack of consensus, this work is targeted at Experimental, rather than standards track status. It is hoped that additional deployment will help demonstrate which among the proposed scopes and facilities is useful, and that those can later proceed to standards track status.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie and by the DEA Directorate for the Applications Area Directors.

## RFC Editor Note

Please update the IESG Note with the RFC Numbers when available.

## IESG Note

"The following documents (draft-schlitt-spf-classic, draft-katz-submitter, draft-lyon-senderid-core, draft-lyon-senderid-pra) are published simultaneously as Experimental RFCs, although there is no general technical consensus and efforts to reconcile the two approaches have failed. As such these documents have not received full IETF review and are published "AS-IS" to document the different approaches as they were considered in the MARID working group.

The IESG takes no position about which approach is to be preferred and cautions the reader that there are serious open issues for each approach and concerns about using them in tandem. The IESG believes that documenting the different approaches does less harm than not documenting them.

The community is invited to observe the success or failure of the two approaches during the two years following publication, in order that a community consensus can be reached in the future."

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.3 Individual Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

Other matters may be recorded in comments to be passed on to the RFC Editor as community review of the document.

##### 3.3.1 New Item - 1 of 1

- o draft-kompella-ccc-02.txt  
Circuit Cross-Connect (Informational)  
Token: Mark Townsley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-kompella-ccc-02.txt to Informational RFC

-----

Evaluation for draft-kompella-ccc-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12805&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12805&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ X ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

Proposed Recommendation to the RFC Editor, from RFC 3932:

3. The IESG thinks that publication is harmful to the IETF work done in the PWE3 WG and recommends not publishing the document at this time.

The case here is similar to that described in section 5 of RFC3932, "Rejected Alternative Bypass."

Note: During the formation of the PWE3 WG, the IESG acted in a similar manner regarding the "draft-martini" series of documents. It was agreed at that time that this series of documents would not be published until after PWE3 finished its work. draft-kompella-ccc-02.txt is a vendor-specific predecessor to the draft-martini series and should be treated in the same manner with respect to the chartered IETF effort in PWE3.

### 3.3.2 Returning Item

NONE

## 3. Document Actions

### 3.3 Individual Submissions Via RFC Editor

#### 3.3.3 For Action - 1 of 1

- o draft-klensin-reg-guidelines-08.txt

Suggested Practices for Registration of Internationalized Domain Names  
(IDN) (Informational)  
Token: Brian Carpenter

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Manet Autoconfiguration (autoconf) - 1 of 2  
Token: Margaret Wasserman

Manet Autoconfiguration (autoconf)

-----

Last Modified: 2005-06-09

Current Status: Proposed Working Group

Chairs:

Shubhranshu Singh <shubhranshu@gmail.com>

Thomas Heide Clausen <Thomas.Clausen@polytechnique.fr>

Internet Area Director(s):

Mark Townsley <townsley@cisco.com>

Margaret Wasserman <margaret@thingmagic.com>

Internet Area Advisor:

Margaret Wasserman <margaret@thingmagic.com>

Mailing Lists:

General Discussion: manetautoconf@ml.free.fr

To Subscribe: manetautoconf-request@ml.free.fr

Archive: TBD

Description of Working Group:

In order to communicate among themselves and/or with devices on the Internet, ad hoc nodes (refer to RFC 2501) may need to configure their interface(s) with MANET-local addresses that are valid only within an ad hoc network. They may also configure their interfaces with topologically correct global addresses.

Ad hoc networks present several new challenges. Unlike in traditional IP networks, each ad hoc node, besides being a traffic end-point, should be capable of forwarding traffic destined for other hosts. Additionally, nodes constituting an ad-hoc network do not share access to a single multicast-capable link for signaling. Many protocol specifications used in traditional IP networks e.g. RFCs 2462, 2463 etc. do, however, assume that subnet-local signals (e.g. link-local multicast signal) are received by each of the hosts on the particular subnet without being forwarded by the routers defining the subnet boundary.

The main purpose of the AUTOCONF WG is to standardize mechanisms to be used by ad hoc nodes for configuring unique MANET-local and/or topologically correct unique global IPv6 and/or IPv4 address. The ad hoc nodes under consideration are expected to support multi-hop communication by running MANET routing protocol, e.g. those developed by the IETF MANET WG. However, this may or may not mean that an AUTOCONF mechanism will be dependent on any specific MANET routing protocol. With this in mind, the goals of AUTOCONF WG are to:

- Produce a "terminology and problem statement" document, defining the

problem statement and goals for AUTOCONF.

- Develop a stateless autoconfiguration mechanism to be used by ad hoc nodes for configuring unique MANET-local addresses as well as, in cases where Internet connectivity exists, topologically correct unique global addresses
- Develop a stateful address autoconfiguration mechanism to be used by ad hoc nodes for configuring unique global addresses, if an address-providing entity such as DHCPv6 and/or DHCPv4 server is available.
- Develop a mechanism to promote configured address uniqueness in the situation where different ad hoc networks merge.

Issues and requirements related to prefix and/or address providing entities, such as an Internet gateway, will be addressed within the group to the extent that they are directly related to the AUTOCONF mechanisms. Security concerns related to AUTOCONF mechanisms will also be discussed within the group.

The working group will reuse existing specifications whenever reasonable and possible.

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Calendaring and Scheduling Standards Simplification (calsify) - 2 of 2

Token: Ted Hardie

Calendaring and Scheduling Standards Simplification (calsify)

---

Last Modified: 2005-6-16

Current Status: Proposed Working Group

Chair(s):  
TBD

Applications Area Director(s):

Ted Hardie <hardie@qualcomm.com>

Scott Hollenbeck <sah@428cobrajet.net>

#### Mailing Lists:

General Discussion: [ietf-calsify@osafoundation.org](mailto:ietf-calsify@osafoundation.org)

To Subscribe: <http://lists.osafoundation.org/mailman/listinfo/ietf-calsify>

Archive: <http://lists.osafoundation.org/pipermail/ietf-calsify/>

#### Description of Working Group:

The Calendaring and Scheduling standards, defined in RFC's 2445, 2446, and 2447 were released in November 1998, and further described in RFC 3283. They were designed to progress the level of interoperability between dissimilar calendaring and scheduling systems. The Calendaring and Scheduling Core Object Specification, iCalendar, succeeded in establishing itself as the common format for exchanging calendaring information across the Internet. On the other hand, only basic interoperability has been achieved between different scheduling systems.

The Calsify working group is chartered to:

- (1) Publish the interoperability issues that have arisen between calendaring and scheduling systems, as well as document the usage of iCalendar by other specifications.
- (2) Revise the Calendaring and Scheduling standards to advance the state of interoperable calendaring and scheduling by addressing the published interoperability issues. As far as it is possible, the working group will ensure backwards compatibility with widely deployed implementations and other specifications that use it.
- (3) Clarify the registration process for iCalendar extensions (i.e., the current core object specification only provides a template to register new properties).
- (4) Advance the Calendaring and Scheduling standards to Draft Standard.
- (5) Work on transition (upgrade or versioning) mechanisms for calendar data exchange.

Proposing an XML representation or transformation of iCalendar

objects is out of the scope of this working group.

#### Goals and Milestones:

Jul 05 - Submit draft documenting interoperability issues for use in progressing RFCs to Draft Standard.  
Sep 05 - Submit iCalendar bis draft 00, with formatting changes from RFC2445.  
Sep 05 - Submit iTIP bis draft 00  
Sep 05 - Submit iMIP bis draft 00  
Oct 05 - Submit revised interoperability issues draft version based on WG discussion.  
Dec 05 - WG decision on what document(s) require transition mechanisms and hopefully rough idea what these will look like (and add new goals if needed)  
Mar 06 - WG last call on interoperability issues draft.  
May 06 - Submit interoperability issues document to IESG for Informational RFC.  
May 06 - Submit version of iCalendar bis draft that addresses known interoperability issues from interop events.  
Jun 06 - Submit versions of iTIP and iMIP that address known interoperability issues.  
Jul 06 - Submit version of iCalendar draft that addresses WG open discussions.  
Sep 06 - Submit version of iCalendar draft ready for WG last call.  
Nov 06 - Complete WG last call of iCalendar and submit new draft.  
Nov 06 - Submit versions of iTIP and iMIP ready for last call.  
Jan 07 - Submit iCalendar (bis) to IESG for Draft Standard.  
Jan 07 - Complete WG last call of iTIP  
Feb 07 - Complete WG last call of iMIP  
Mar 07 - Submit iTIP to IESG for Draft Standard.  
Apr 07 - Submit iMIP to IESG for Draft Standard.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.2 Proposed for Approval

- o Layer 1 Virtual Private Networks (l1vpn) - 1 of 3  
Token: Alex Zinin

Layer 1 Virtual Private Networks (l1vpn)

=====

Last Modified: 2005-06-09

Current Status: Proposed Working Group

Chair(s):

Adrian Farrel <adrian@olddog.co.uk>

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Routing Area Director(s):

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Alex Zinin <zinin@psg.com>

Routing Area Advisor:

Alex Zinin <zinin@psg.com>

Technical Advisor(s):

TBD

Mailing Lists:

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To Subscribe: <https://www1.ietf.org/mailman/listinfo/llvpn>

Archive: <http://www.ietf.org/mail-archive/web/llvpn/index.html>

Description of Working Group:

The L1VPN Working Group's task is to specify mechanisms necessary for providing layer-1 VPN services (establishment of layer-1 connections between CE devices) over a GMPLS-enabled transport service-provider network.

The following two service models will be addressed:

1. Basic mode: the CE-PE interface's functional repertoire is limited to path setup signalling only. Provider's network is not involved in distribution of customer network's routing information.
2. Enhanced mode: the CE-PE interface provides the signaling capabilities as in the Basic mode, plus permits limited exchange of information between the control planes of the provider and the customer to help such functions as discovery of reachability information in remote sites, or parameters of the part of the provider's network dedicated to the customer.

The WG will work on the following items:

1. Framework document defining the reference network model, L1VPN service model, fundamental assumptions, and terminology.
2. Specification of the L1VPN signaling functionality between the customer and the provider network to support the basic mode.
3. Specification of the L1VPN signaling and routing functionality within the provider network to support the basic mode.
4. OAM features and MIB modules and/or extensions required for the basic mode.
5. Specification of the L1VPN signaling and routing functionality between the customer and the provider network to support the extended mode.
6. Specification of the L1VPN signaling and routing functionality within the provider network to support the extended mode.
7. OAM features and MIB modules and/or extensions required for the extended mode.
8. Applicability guidelines to compare the basic and extended modes.

At this point the WG will address the single-AS scenario only. The multi-AS/provider scenario may be considered in future.

Protocol extensions required for L1VPN will be done in cooperation with MPLS, CCAMP, OSPF, IS-IS, IDR, L3VPN, and other WGs where necessary.

L1VPN WG shall also cooperate with ITU-T SG13 through the established IETF process, and use documents Y.1312 and Y.1313 (describing L1VPN requirements and network architectures) as input to its design process. The documents will be available at the IETF liaison web-site.

Milestones:

Sep 05 Submit first Internet Draft of L1VPN framework

Sep 05 Submit first Internet Drafts of basic mode specifications

Dec 05 Submit first Internet Drafts of MIB modules for basic mode

Apr 06 Submit basic mode specifications to IESG for publication as Proposed Standard

Jun 06 Submit first Internet Drafts of enhanced mode specifications

Aug 06 Submit MIB modules for basic mode to IESG for publication as Proposed Standard

Dec 06 Submit enhanced mode specifications to IESG for publication as Proposed Standard

Dec 06 Submit L1VPN framework to IESG for publication as Informational RFC

Aug 07 Submit MIB modules for enhanced mode to IESG for publication as Proposed Standard

Dec 07 Recharter or disband

#### Related Documents:

draft-takeda-l1vpn-framework-03.txt  
draft-takeda-l1vpn-applicability-02.txt  
draft-ouldbrahim-ppvnp-gvpn-bgp-gmpls-06.txt  
draft-ietf-ccamp-gmpls-overlay-05.txt

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Transparent Interconnection of Lots of Links (trill) - 2 of 3  
Token: Margaret Wasserman

Transparent Interconnection of Lots of Links (trill)

=====

Last Modified: 2005-6-15

Current Status: Proposed Working Group

Chair(s):

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Internet Area Director(s):

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Margaret Wasserman <margaret@thingmagic.com>

Internet Area Advisor:  
Mark Townsley <townsley@cisco.com>

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To Subscribe: <http://www.postel.org/mailman/listinfo/rbridge>  
Archive: <http://www.postel.org/pipermail/rbridge>

#### Description of Working Group:

The TRILL WG will design a solution for shortest-path frame routing in multi-hop IEEE 802.1 Ethernet networks with arbitrary topologies, using the link-state routing protocol technology.

This work will initially be based on draft-perlman-rbridge-03.txt.

The design should have the following properties:

- Minimal or no configuration required
- Load-splitting among multiple paths
- Routing loop mitigation (possibly through a TTL field)
- Support of multiple points of attachment
- Support for broadcast and multicast
- No significant service delay after attachment
- No less secure than existing bridged solutions

Any changes introduced to the Ethernet service model should be analyzed and clearly documented. To ensure compatibility with IEEE VLANs and the Ethernet service model, the WG will request an IEEE liaison relationship with IEEE 802.1.

It is not an explicit requirement that the solution should be able to run on existing IP routers or IEEE 802 switches as a software upgrade. However, the working group should take deployment considerations into account, to ensure that the solution can interwork with bridges in a flexible manner (e.g., to allow incremental deployment into LANs that currently use 802.1D bridges).

The TRILL working will work with the L2VPN WG and IEEE 802.1 to develop interworking between TRILL and 802.1D bridges at the edge, such that a bridged sub-cloud could be attached to TRILL devices in more than one place for redundancy.

The solution must not interfere with the end-to-end transparency of the Internet architecture or with end-to-end congestion control and QoS mechanisms.

The WG will work on the following items:

(1) Develop a problem statement and architecture document that describes the high-level TRILL architecture, discusses the scalability of that architecture, describe the threat model and security impacts of the TRILL solution, and describes the expected impacts (if any) of the TRILL solution on the Ethernet service model.

(2) Define the requirements for a TRILL-capable routing protocol, and select one or more existing routing protocols that could meet those requirements.

(3) Work with the appropriate Routing area working group to extend an existing routing protocol to meet the TRILL working group requirements.

Note: The TRILL working group is not chartered to develop a new routing protocol or to make substantial modifications to an existing routing protocol. If, during the requirements definition and selection phase, the TRILL working group discovers that no existing routing protocol will meet their needs, we will need to re-assess the TRILL WG charter to determine how/if this work should proceed.

(4) Produce a (set of) TRILL specification(s) for standards track publication that defines what information must be carried in an encapsulation header for data packets, and determine how to map that information to various link types (only IEEE 802 links initially)

The TRILL working group is chartered to undertake all of the above tasks and may begin work on more than one of these tasks in parallel. However, the problem statement and architecture document should be completed before the details of the base protocol are finalized, while there is still time to consider changes to the architecture without major impacts on established specifications.

Goals and Milestones:

Aug 05 Accept Problem statement and architecture document as a WG

work item

Aug 05 Accept base protocol specification as a WG document

Oct 05 Accept routing protocol requirements as a WG work item

Dec 05 Submit problem statement and architecture document to the IESG for publication as an Informational RFC

Mar 06 Submit routing protocol requirements to the IESG for publication as an Informational RFC

Mar 06 Choose routing protocol(s) that can meet the requirements.

Apr 06 Start work with routing area WG(s) to undertake TRILL extensions.

Sep 06 Base protocol specification submitted to the IESG for publication as a Proposed Standard RFC

Dec 06 Re-charter or shut down the WG

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Site Multihoming by IPv6 Intermediation (shim6) - 3 of 3  
Token: Margaret Wasserman

#### Site Multihoming by IPv6 Intermediation (shim6)

=====

Last Modified: 2005-6-15

Current Status: Proposed Working Group

WG Chair(s):

Kurtis Lindqvist

Geoff Huston

Technical Advisor(s):

Thomas Narten

(Still under discussion)

Mailing List: shim6@psg.com

To Subscribe: shim6-request@psg.com

Archive: ??

Description:

For the purposes of redundancy, load sharing, operational policy or cost, a

site may be multi-homed, with the site's network having connections to multiple IP service providers. The current Internet routing infrastructure

permits multi-homing using provider independent addressing, and adapts to changes in the availability of these connections. However if the site uses multiple provider-assigned address prefixes for every host within the site, host application associations cannot use alternate paths, such as for surviving the changes or for creating new associations, when one or more of the site's address prefixes becomes unreachable. This working group will produce specifications for an IPv6-based site multi-homing solution that inserts a new sub-layer (shim) into the IP stack of end-system hosts. It will enable hosts on multi-homed sites to use a set of provider-assigned IP address prefixes and switch between them without upsetting transport protocols or applications.

The work will be based on the architecture developed by the IETF multi6 working group. The shim6 working group is to complete the required protocol developments and the architecture and security analysis of the required protocols.

Requirements for the solution are:

- o The approach must handle re-homing both existing communication and being able to establish new communication when one or more of the addresses is unreachable.
- o IPv6 NAT devices are assumed not to exist, or not to present an obstacle about which the shim6 solution needs to be concerned.
- o Only IPv6 is considered.
- o Changes in the addresses that are used below the shim will be invisible to the upper layers, which will see a fixed address (termed Upper Layer Identifier or ULID).
- o ULIDs will be actual IP addresses, permitting existing applications to continue to work unchanged, and permitting application referrals to work, as long as the IP Addresses are available.
- o The solution should assume ingress filtering may be applied at network boundaries.

- o The solution must allow the global routing system to scale even if there is a very large number of multi-homed sites. This implies that re-homing not be visible to the routing system.
- o Compatibility will remain for existing mobility mechanisms. It will be possible to use Mobile IPv6 on a node that also supports Shim6. However, any optimizations or advanced configurations are out of scope for shim6.
- o The approach is to provide an optimized way to handle a static set of addresses, while also providing a way to securely handle dynamic changes in the set of addresses. The dynamic changes might be useful for future combinations of multi-homing and IP mobility, but the working group will not take on such mobility capabilities directly.
- o The specifications must specifically refer to all applicable threats and describe how they are handled, with the requirement being that the resulting solution not introduce any threats that make the security any less than in today's Internet.

The background documents to be considered by the WG include:

RFC 3582

draft-ietf-multi6-architecture-04.txt

draft-ietf-multi6-things-to-think-about-01.txt

draft-ietf-multi6-multihoming-threats-03.txt

The input documents that the WG will use as the basis for its design are:

draft-huston-l3shim-arch-00.txt

draft-ietf-multi6-functional-dec-00.txt

draft-ietf-multi6-l3shim-00.txt

draft-ietf-multi6-failure-detection-00.txt

draft-ietf-multi6-hba-00.txt

draft-ietf-multi6-app-refer-00.txt

In addition to the network layer shim solution, the shim6 WG is specifically chartered to work on:

- o Solutions for site exit router selection that work when each ISP uses ingress filtering, i.e. when the chosen site exit needs to be related to the source address chosen by the host. This site exit router selection and the associated address selection

process should work whether or not the peer site supports the shim6 protocol.

- o Solutions to establish new communications after an outage has occurred that do not require shim support from the non-multihomed end of the communication. The Working Group will explore whether such solutions are also useful when both ends support the shim.
- o The possible impact of the use of multiple locators at both ends on congestion control, traffic engineering, and QoS will be analysed in conjunction with the Transport Area.
- o The relationships between Upper Layer Identifiers (ULIDs) and unique local addresses.
- o ICMP error demuxing for locator failure discovery.
- o If necessary, develop and specify formats and structure for:
  - Cryptographically protected locators
  - Carrying the flow label across the shim layer defined in the multi6 architecture.

The shim6 WG is to publish, as standards track RFC's, specifications with enough details to allow fully interoperable implementations.

#### Milestones

AUG 05 First draft of architectural document  
AUG 05 First draft of protocol document  
AUG 05 First draft on cryptographic locators, if required  
AUG 05 First draft on multi-homing triggers description  
AUG 05 First draft on applicability statement document  
OCT 05 WG last-call on architectural document  
OCT 05 WG last-call on applicability statement document  
FEB 06 WG last-call on protocol document  
FEB 06 WG last-call on cryptographic locators, if required  
FEB 06 Submit completed architectural document to IESG  
FEB 06 Submit applicability statement document to IESG  
APR 06 WG last-call on multihoming triggers description  
APR 06 Submit document on cryptographic locators to the IESG, if required  
APR 06 Submit protocol document to the IESG

JUN 06 Submit draft on multihoming triggers description to the IESG

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

- o Audio/Video Transport (avt) - 1 of 1

Token: Allison Mankin

#### Audio/Video Transport (avt)

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Last Modified: 2005-6-20

Current Status: Active Working Group

#### Chair(s):

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Magnus Westerlund <magnus.westerlund@ericsson.com>

#### Transport Area Director(s):

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To Subscribe: <https://www1.ietf.org/mailman/listinfo/avt>

Archive: <http://www.ietf.org/mail-archive/web/avt/index.html>

#### Description:

The Audio/Video Transport Working Group was formed to specify a protocol for real-time transmission of audio and video over unicast and multicast UDP/IP. This is the Real-time Transport Protocol, RTP, together with its associated profiles and payload formats. The current aims of the working group are:

- - to review and revise existing payload formats to advance those which are useful to Draft Standard, and to declare others as Historic. Milestones will be established as a champion for each payload format is identified.
- - to develop payload formats for new media codecs, and to

document best-current practices in payload format design. The group continues to be precluded from work on codecs themselves because of overlap with the other standards bodies, and because the IETF does not have the ability to effectively review new codecs. An exception was made for the freeware iLBC codec on a highly experimental basis, but acceptance of new codec work is unexpected and subject to rechartering.

- - to complete the forward error correction work to update RFC 2733 in the form of the ULP payload format
- - to investigate and if suitable develop a framework for advanced FEC codes and their usage for RTP, possibly with alignment to the RMT WG's FEC building block.
- - to extend RTP to work with Source-Specific Multicast sessions with unicast feedback
- - to provide a framing mechanism for RTP over TCP and TLS
- - in collaboration with the MPLS and ROHC WGs, to develop a solution for header compression of RTP across MPLS networks that avoid decompression and compression at each MPLS node.
- - to develop a new RTP profile as the combination of the SRTP profile and the Extended RTP Profile for RTCP-based Feedback (RTP/SAVPF)
- - to develop a new RTP profile for usage of TFRC (RFC 3448) with RTP over UDP to allow application developers to gain experience with TCP friendly congestion control.
- - to develop a MIB for RTCP XR (RFC 3611).
- - to update the RTP MIB, including aligning it with RFC 3550.

The longer term goals of the working group are to advance the SRTP Profile, the Extended RTP Profile for RTCP-based Feedback, the Compressed RTP framework, and the RTP MIB to Draft Standard.

The group has no plans to develop new RTP profiles beyond those listed above, but will consider rechartering to produce profile level extensions if appropriate.

Goals and Milestones:

Sep 05	Submit RTP/SAVPF profile for Proposed Standard
Sep 05	Submit RTCP/SSM draft for Proposed Standard
Nov 05	Submit ULP Payload Format for Proposed Standard
Nov 05	Submit Framing of RTP for TLS for Proposed Standard
Nov 05	Submit update of RTP MIB for Proposed or Draft Standard
Nov 05	Submit RTCP XR MIB for Proposed Standard
Nov 05	Submit RTP Profile for TFRC for Proposed Standard
Nov 05	Finished investigation of advanced FEC codes for RTP, update plan
Dec 05	Submit any extensions for RTP HC on MPLS networks for Proposed Standard
Mar 06	Submit SRTP for Draft Standard
Sep 06	Submit RTP/AVPF for Draft Standard

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.2 Proposed for Approval

o Protocol for carrying Authentication for Network Access (pana) - 1 of 1

Token: Mark Townsley

Protocol for carrying Authentication for Network Access (pana)

=====

Last Modified: 2005-6-1

Current Status: Active Working Group

Chair(s):

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Alper Yegin <alper.yegin@samsung.com>

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#### Mailing Lists:

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To Subscribe: <https://www1.ietf.org/mailman/listinfo/pana>

In Body: (un)subscribe

Archive: <http://www.ietf.org/mail-archive/web/pana/index.html>

#### Description of Working Group:

In some scenarios, an IP-based device is required to authenticate itself to the network prior to being authorized to use it. This authentication usually requires a protocol that can support various authentication methods, dynamic service provider selection, and roaming clients. In the absence of such an authentication protocol on most of the link-layers, architectures have resorted to filling the gap by using a number of inadequate methods. For example, inserting an additional layer between link-layer and network-layer mostly for client authentication purpose (e.g., PPPoE), overloading another network-layer protocol to achieve this goal (e.g., Mobile IPv4 with Registration-required flag), and even defining application-layer ad-hoc authentication mechanisms (e.g., http redirects with web-based login). In these and other cases, a network-layer authentication protocol may provide a cleaner solution to the authentication problem.

The goal of PANA is to define a protocol that allows clients to authenticate themselves to the access network using IP protocols. Such a protocol would allow a client to interact with a site's back-end AAA infrastructure to gain access without needing to understand the particular AAA infrastructure protocols that are in use at the site. It would also allow such interactions to take place without a link-layer specific mechanism. PANA would be applicable to both multi-access and point-to-point links. It would provide support for various authentication methods, dynamic service provider selection, and roaming clients.

Mobile IPv4 developed its own protocols for performing PANA-like functions (e.g., MN-FA interaction). Mobile IPv6 does not have the equivalent of a Foreign Agent (FA) that would allow the access/visited network to authenticate the MN before allowing access. The PANA authentication agent (PAA) can perform the authentication function attributed to the FA in Mobile IPv4, in Mobile IPv6 networks.

The WG will work with the assumption that a PANA client (PaC) is already configured with an IP address before using PANA. This IP address will provide limited reachability to the PaC until it is authenticated with the PAA. Upon successful authentication, PaC is granted broader network access possibly by either a new IP address assignment, or by enforcement points changing filtering rules for the

same IP address.

PANA will neither define any new authentication protocol nor define key distribution, key agreement or key derivation protocols. It is believed that PANA will be able to meet its goals if it is able to carry EAP payloads. Note, however, that EAP may need to be extended in order for PANA to meet the need for all of its intended usages. Such extensions are outside the scope of the PANA WG.

PANA will develop an IP-based protocol that allows a device to authenticate itself with the network (and to a PAA in particular) in order to be granted network access. The PAA itself may interface with other AAA backend infrastructures for authenticating and authorizing the service being requested by the host, but such interactions are transparent to the PaC.

Network access authentication enables the client to be authorized for packet data service. However it is possible that the underlying link itself is insecure, i.e the packets being sent to and received on the link between the client (PaC) and the 1st hop access router (EP) in the network are not protected by any physical or cryptographic means. In such cases, PANA will enable the establishment of an IPsec SA between the client and the 1st hop access router to secure the packets on the link. In networks that have physical security or ciphering as a link-layer feature, no such SA is required. Hence the establishment of the IPsec SA is optional. The WG will deliver a document that explains how such an IPsec SA is established by using IKE after successful PANA authentication. No enhancements to either IKE or IPsec are expected.

The PAA does not necessarily act as an enforcement point (EP) to prevent unauthorized access or usage of the network. When a PaC successfully authenticates itself to the PAA, EP(s) (e.g., access routers) will need to be suitably notified. SNMP will be used by the PAA to deliver the authorization information to one or more EPs when the PAA is separated from EPs. The WG will document the solution based on SNMP for carrying the authorization information between the PAA and the EP.

The WG will also propose a solution of how the PaC discovers the IP address of PAA for sending the authentication request.

The PANA WG will deliver

- A mechanism for the PAC to discover the PAA on the link.

- The PANA protocol itself, capable of carrying multiple authentication methods (e.g. using EAP)
- A document that describes how SNMP is used to deliver authorization information from the PAA to the EP in the scenarios where the PAA and EP are separated.
- A document that explains the establishment of an IPsec SA between the client and the 1st hop access router subsequent to authentication for securing the data packets on the link.

#### Goals and Milestones:

Done	Submit usage scenarios and applicability statement to the IESG
Done	Submit security threat analysis to the IESG
Done	Submit protocol requirements to the IESG
Aug 05	Submit PANA framework to the IESG
Aug 05	Submit PANA protocol specification to the IESG
Aug 05	Submit IPsec-based access control to the IESG
Aug 05	Submit SNMP-based PAA-to-EP protocol specification to the IESG
Dec 05	Submit MIB for PANA to the IESG

## 5. IAB News We Can Use

### 6. Management Issues

#### 6.1 The Reuse of SPF version 1 Records (Ted Hardie)

```
>To: iesg@ietf.org (Internet Engineering Steering Group)
>From: wayne <wayne@schlitt.net>
>Date: Fri, 17 Jun 2005 15:08:35 -0500
>X-SA-Exim-Connect-IP: 67.52.51.37
>X-SA-Exim-Rcpt-To: spf-council@moongroup.com, iesg@ietf.org
>X-SA-Exim-Mail-From: wayne@schlitt.net
>X-SA-Exim-Version: 4.2 (built Thu, 03 Mar 2005 10:44:12 +0100)
>X-SA-Exim-Scanned: Yes (on backbone.schlitt.net)
>X-Scan-Signature: 8fbbaa16f9fd29df280814cb95ae2290
>Cc: SPF Council <spf-council@moongroup.com>
>Subject: The reuse of SPF version 1 records
>X-BeenThere: iesg@ietf.org
>List-Id: iesg.ietf.org
>List-Unsubscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,
> <mailto:iesg-request@ietf.org?subject=unsubscribe>
>List-Post: <mailto:iesg@ietf.org>
>List-Help: <mailto:iesg-request@ietf.org?subject=help>
```

>List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
> <<mailto:iesg-request@ietf.org?subject=subscribe>>  
>Sender: iesg-bounces@ietf.org

>

>Dear IESG:

>

>As part of the SPF leadership council meeting, Meng Weng Wong and I  
>talked about the incompatible re-use SPF version 1 records by the  
>draft-lyon-senderid-core I-D. The discussion lead to a lot of guesses  
>and assumptions about what the IESG wants, so instead of continuing to  
>guess, we decided that it would be best to just ask.

>

>

>Meng is under the impression that the IESG wants to see the re-use of  
>SPF version 1 records by draft-lyon-senderid-core and that removing  
>the language from senderid-core would cause objections from the IESG.  
>(It might cause objections from Jim Lyon, but I won't ask you to  
>speculate on that subject.) Does the IESG have an position on the  
>re-use of SPFv1 records, and if so, is it something that the IESG  
>thinks is a good idea?

>

>Meng is also under the impression that, if the warning about the use  
>of SPF version 1 records by other identities not defined in the  
>spf-classic draft were removed, that the it would move forward much  
>quicker. Is this language in the spf-classic I-D a blocking point  
>with the IESG?

>

>Most of the rest of the SPF council are under the impression that the  
>IESG's position is different, but since we all freely admit that we  
>don't know, it would be very useful to use if IESG would clarify  
>things.

>

>The SPF leadership council has, overall, consistently passed  
>resolutions saying that the re-use of SPF version 1 records by  
>identities that they were not designed for is bad engineering. There  
>may be some positive political ramifications of such re-use, but the  
>majority believe that the incorrect results by such re-use outweigh  
>any benefits.

>

>There certainly are cases where the re-use is acceptable and we  
>believe, as stated in the spf-classic I-D, that domain owners should  
>be able to make explicit statements that such re-use is OK.

>

>In the "confusion about spf-classic" message I sent to the IESG on May  
>22, and also during the MARID WG, there were several suggested methods  
>that could allow for domain owners to easily make the explicit

>statement that the re-use is ok.  
>  
>One method would be to define a "redirect-spfv1=" modifier in  
>senderid-core that would be analogous to the current "redirect=" modifier, only it would use SPFv1 records instead of SPFv2 records.  
>  
>This would allow domain owners to publish to SPF records to cover both  
>the spf-classic and SPF version 2 identities. For example:  
>  
>example.com. TXT "v=spf1 mx -all"  
>example.com. TXT "spf2.0/pr4 ip4:1.2.3.4 redirect-spfv1=example.com"  
>  
>  
>Another method would be to add scoping to the "include:" mechanism and  
>the the "redirect=" modifier. For example:  
>  
>example.org. TXT "v=spf1 a ?all"  
>example.org. TXT "spf2.0/mfrom include:example.com/pr4"  
> " redirect=example.org/spfv1"  
>  
>  
>Both of these techniques would allow domain owners to use both SPF  
>version 1 and version 2 records without the current need to duplicate  
>information when the records do not exactly match. (The senderid-core  
>draft has no facilities to deal with this kind of scoping reference.)  
>  
>  
>I would also like to call attention again to RFC3932, "The IESG and  
>RFC Editor Documents: Procedures", section 5. The SPF leadership  
>council, as a whole, believes that the re-use of SPF version 1 records  
>by senderid-core is very similar to the situation in that section  
>where a Do-Not-Publish-Now recommendation was given for the  
>conflicting document.  
>  
>Section 5 reads:  
>  
>  
>5. Examples of Cases Where Publication Is Harmful  
>  
> This section gives a couple of examples where delaying or preventing  
> publication of a document might be appropriate due to conflict with  
> IETF work. It forms part of the background material, not a part of  
> the procedure.  
>  
> Rejected Alternative Bypass: A WG is working on a solution to a  
> problem, and a participant decides to ask for publication of a

> solution that the WG has rejected. Publication of the document will  
> give the publishing party an RFC number to refer to before the WG is  
> finished. It seems better to have the WG product published first,  
> and have the non-adopted document published later, with a clear  
> disclaimer note saying that "the IETF technology for this function is  
> X".  
>  
> Example: Photuris (RFC 2522), which was published after IKE (RFC  
> 2409).  
>  
> Inappropriate Reuse of "free" Bits: In 2003, a proposal for an  
> experimental RFC was published that wanted to reuse the high bits of  
> the "fragment offset" part of the IP header for another purpose. No  
> IANA consideration says how these bits can be repurposed, but the  
> standard defines a specific meaning for them. The IESG concluded  
> that implementations of this experiment risked causing hard-to-debug  
> interoperability problems and recommended not publishing the document  
> in the RFC series. The RFC Editor accepted the recommendation.  
>  
> Note: in general, the IESG has no problem with rejected alternatives  
> being made available to the community; such publications can be a  
> valuable contribution to the technical literature. However, it is  
> necessary to avoid confusion with the alternatives the working group  
> did adopt.  
>  
> The RFC series is one of many available publication channels; this  
> document takes no position on the question of which documents the RFC  
> series is appropriate for. That is a matter for discussion in the  
> IETF community.  
>  
> Thank you again for your time and consideration.  
>  
> -wayne

## 7. Working Group News We Can Use

Brian Carpenter  
Bill Fenner  
Ted Hardie  
Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Jon Peterson

Mark Townsley  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA01911  
for <iesg-archive@lists.ietf.org>; Wed, 22 Jun 2005 16:35:07 -0400  
(EDT)  
Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1DlBoH-0001Ib-Pv; Wed, 22 Jun 2005 16:26:57 -0400  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1DlBoG-0001Hw-CN  
for iesg@megatron.ietf.org; Wed, 22 Jun 2005 16:26:56 -0400  
Received: from ietf-mx.ietf.org (ietf-mx [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA28086  
for <iesg@ietf.org>; Wed, 22 Jun 2005 16:18:56 -0400 (EDT)  
Received: from g13.icann.org ([192.0.34.122])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1DlC2c-0003Va-OC  
for iesg@ietf.org; Wed, 22 Jun 2005 16:41:48 -0400  
Received: from g13.icann.org (g13.icann.org [127.0.0.1])  
by g13.icann.org (8.12.11/8.12.11) with ESMTP id j5MKPT6X000847  
for <iesg@ietf.org>; Wed, 22 Jun 2005 13:25:29 -0700  
Received: (from apache@localhost)  
by g13.icann.org (8.12.11/8.12.11/Submit) id j5MKPTDk000846;  
Wed, 22 Jun 2005 13:25:29 -0700  
Date: Wed, 22 Jun 2005 13:25:29 -0700  
Message-Id: <200506222025.j5MKPTDk000846@g13.icann.org>  
To: iesg@ietf.org  
From: iana-drafts@icann.org  
X-Spam-Score: 0.3 (/)  
X-Scan-Signature: 6e922792024732fb1bb6f346e63517e4  
Subject: RE: Evaluation: draft-ietf-imapect-2086upd-07.txt to Proposed  
Standard [I06-050523-0011]  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
Reply-To: iana-drafts@icann.org  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,

<mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

IANA OK. Comments in tracker.  
IANA Actions - Yes

Michelle Cotton  
(on behalf of IANA)

-----Original Message-----

From: iesg-bounces@ietf.org [mailto:iesg-bounces@ietf.org] On Behalf Of  
IESG  
Secretary  
Sent: Monday, June 13, 2005 12:45 PM  
To: Internet Engineering Steering Group  
Subject: Evaluation: draft-ietf-imapect-2086upd-07.txt to Proposed  
Standard

-----

Evaluation for draft-ietf-imapect-2086upd-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=1228  
8&rftc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12288&rftc_flag=0)

Last Call to expire on: 2005-06-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]

Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
 To: IETF-Announce <ietf-announce@ietf.org>  
 Cc: Internet Architecture Board <iab@iab.org>,  
 RFC Editor <rfc-editor@rfc-editor.org>,  
 imapext mailing list <ietf-imapext@imc.org>,  
 imapext chair <presnick@qualcomm.com>,  
 imapext chair <lisa@osafoundation.org>  
 Subject: Protocol Action: 'IMAP4 ACL extension' to Proposed Standard

The IESG has approved the following document:

- 'IMAP4 ACL extension '  
 <draft-ietf-imapext-2086upd-07.txt> as a Proposed Standard

This document is the product of the Internet Message Access Protocol Extension Working Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-imapext-2086upd-07.txt>

Technical Summary

The ACL (Access Control List) extension (RFC 2086) of the Internet Message Access Protocol (IMAP) permits mailbox access control lists to be retrieved and manipulated through the IMAP protocol. This document is a revision of RFC 2086. It defines several new access control rights and clarifies which rights are required for different IMAP commands.

## Working Group Summary

The document has been reviewed by key working group members and implementers. Consensus was reached, and there are no known issues risking appeal.

## Protocol Quality

Scott Hollenbeck has reviewed this specification for the IESG.

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA11064  
for <iesg-archive@lists.ietf.org>; Wed, 22 Jun 2005 18:08:45 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1DlDNe-00025k-41; Wed, 22 Jun 2005 18:07:34 -0400  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1DlDNa-00020q-PG  
for iesg@megatron.ietf.org; Wed, 22 Jun 2005 18:07:32 -0400

Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA10825;  
Wed, 22 Jun 2005 18:07:26 -0400 (EDT)

Message-Id: <200506222207.SAA10825@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org

Date: Wed, 22 Jun 2005 18:07:26 -0400

Cc: bfuller@foretec.com, amyk@foretec.com

Subject: FINAL Agenda and Package for June 23, 2005 Telechat

X-BeenThere: iesg@ietf.org

X-Mailman-Version: 2.1.5

Precedence: list

List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the June 23, 2005 IESG Teleconference

This agenda was generated at 16:56:53 EDT, June 22, 2005

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-sip-identity-05.txt  
Enhancements for Authenticated Identity Management in the Session Initiation Protocol (SIP) (Proposed Standard) - 1 of 8  
Token: Allison Mankin
- o draft-ietf-ldapbis-protocol-31.txt  
LDAP: The Protocol (Proposed Standard) - 2 of 8  
Token: Ted Hardie
- o draft-ietf-ippm-owdp-14.txt  
A One-way Active Measurement Protocol (OWAMP) (Proposed Standard) - 3 of 8  
Note: PROTO shepherd: Henk Uijterwaal, [henk@ripe.net](mailto:henk@ripe.net)  
Token: Allison Mankin

- o draft-ietf-dhc-dna-ipv4-12.txt  
Detecting Network Attachment (DNA) in IPv4 (Proposed Standard) - 4 of 8  
Token: Margaret Wasserman
- o draft-ietf-atompub-format-09.txt  
The Atom Syndication Format (Proposed Standard) - 5 of 8  
Note: Paul Hoffman <phoffman@imc.org> is the shepherd for the atompub working group.  
Token: Scott Hollenbeck
- o draft-ietf-sipping-cc-conferencing-07.txt  
Session Initiation Protocol Call Control - Conferencing for User Agents (BCP) - 6 of 8  
Note: PROTO shepherd: gonzalo.camarillo@ericsson.com  
Token: Allison Mankin
- o draft-ietf-imapext-2086upd-07.txt  
IMAP4 ACL extension (Proposed Standard) - 7 of 8  
Note: Proto shepherd is Lisa Dusseault <lisa@osafoundation.org>  
Token: Scott Hollenbeck
- o draft-ietf-smime-certcapa-05.txt  
X.509 Certificate Extension for S/MIME Capabilities (Proposed Standard) - 8 of 8  
Token: Russ Housley

#### 2.1.2 Returning Item

- o draft-ietf-nntpext-base-27.txt  
Network News Transfer Protocol (Proposed Standard) - 1 of 1  
Note: Document shepherd: Russ Allbery <rra@stanford.edu>.
- Returning  
to secure positive ballots needed due to AD changes since the document was last reviewed.  
Token: Scott Hollenbeck

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-zeilenga-ldap-x509-01.txt  
Lightweight Directory Access Protocol (LDAP) schema definitions for X.509 Certificates (Proposed Standard) - 1 of 4  
Token: Ted Hardie
- o draft-zeilenga-ldap-assert-05.txt

The LDAP Assertion Control (Proposed Standard) - 2 of 4

Token: Ted Hardie

- o draft-zeilenga-ldap-t-f-10.txt

LDAP Absolute True and False Filters (Proposed Standard) - 3 of 4

Token: Ted Hardie

- o draft-zeilenga-ldap-readentry-04.txt

LDAP Read Entry Controls (Proposed Standard) - 4 of 4

Token: Ted Hardie

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-rohc-over-reordering-03.txt

RObust Header Compression (ROHC): ROHC over Channels that can

Reorder

Packets (Informational) - 1 of 2

Note: PROTO shepherd: lars-erik.jonsson@ericsson.com

Token: Allison Mankin

- o draft-ietf-sipping-torture-tests-07.txt

Session Initiation Protocol Torture Test Messages (Informational) - 2 of 2

Note: Document was not released till there were five full peer reviews.√.

Tests used in interops..

Token: Allison Mankin

#### 3.1.2 Returning Item

NONE

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

### 3.2.1 New Item

- o draft-hoehrmann-script-types-03.txt  
Scripting Media Types (Informational) - 1 of 4  
Token: Scott Hollenbeck
- o draft-mccobb-xplusv-media-type-04.txt  
XHTML+Voice - application/xhtml-voice+xml (Informational) - 2 of 4  
Token: Scott Hollenbeck
- o draft-froumentin-voice-mediatypes-02.txt  
The W3C Speech Interface Framework Media Types: application/voicexml+xml,  
application/ssml+xml, application/srgs, application/srgs+xml,  
application/ccxml+xml and application/pls+xml (Informational) - 3 of 4  
Token: Scott Hollenbeck
- o draft-hoffman-hash-attacks-04.txt  
Attacks on Cryptographic Hashes in Internet Protocols (Informational) - 4 of 4  
Token: Russ Housley

### 3.2.2 Returning Item

- o Three-document ballot: - 1 of 2  
- draft-katz-submitter-01.txt  
SMTP Service Extension for Indicating the Responsible Submitter of an E-mail Message (Experimental)  
Note: Please check update ballot write-up
- draft-lyon-senderid-core-01.txt  
Sender ID: Authenticating E-Mail (Experimental)  
Note: Sent to dea-dir
- draft-lyon-senderid-pra-01.txt  
Purported Responsible Address in E-Mail Messages (Experimental)  
Note: Sent to dea-dir  
Token: Ted Hardie
- o draft-schlitt-spf-classic-02.txt  
Sender Policy Framework (SPF) for Authorizing Use of Domains in E-MAIL, version 1 (Experimental) - 2 of 2  
Note: Please check updated ballot  
Token: Ted Hardie

### 3.3 Individual Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks

that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

Other matters may be recorded in comments to be passed on to the RFC Editor as community review of the document.

#### 3.3.1 New Item

- o draft-kompella-ccc-02.txt

Circuit Cross-Connect (Informational) - 1 of 1

Token: Mark Townsley

#### 3.3.2 Returning Item

NONE

#### 3.3.3 For Action

- o draft-klensin-reg-guidelines-08.txt

Suggested Practices for Registration of Internationalized Domain Names

(IDN) (Informational) - 1 of 1

Token: Margaret Wasserman

### 4. Working Group Actions

#### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Manet Autoconfiguration (autoconf) - 1 of 2

Token: Margaret Wasserman

- o Calendaring and Scheduling Standards Simplification (calsify) - 2 of 2

Token: Ted Hardie

##### 4.1.2 Proposed for Approval

- o Layer 1 Virtual Private Networks (l1vpn) - 1 of 3

Token: Alex Zinin

- o Transparent Interconnection of Lots of Links (trill) - 2 of 3

Token: Margaret Wasserman

- o Site Multihoming by IPv6 Intermediation (shim6) - 3 of 3

Token: Margaret Wasserman

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

- o Audio/Video Transport (avt) - 1 of 1

Token: Allison Mankin

##### 4.2.2 Proposed for Approval

o Protocol for carrying Authentication for Network Access (pana) - 1  
of 1

Token: Mark Townsley

5. IAB News We can use

6. Management Issue

6.1 Reopening jumbo ethernet frames in IS-IS (Bill Fenner)

6.2 The Reuse of SPF version 1 Records (Ted Hardie)

6.3 IPv4 Multicast Address Architecture BoF (David Kessens)

7. Agenda Working Group News

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the June 23, 2005 IESG Teleconference

This package was generated at 16:56:53 EDT, June 22, 2005.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, June 23, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

o If you are unable to participate, then please write "Regrets" after your name.

o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.

o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Brian Carpenter---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Sam Hartman---Partial Regrets  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in  
David Kessens---Will call in  
Allison Mankin---Will call in  
Dave Meyer---Will call in  
Ray Pelletier---Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Regrets  
Barbara Roseman---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Regrets

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other

participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

Country	Number
Argentina Dial-In #:	08006660275
Australia Dial-In #:	1800004017
Austria Dial-In #:	0800293225
Bahamas Dial-In #:	18003890371
Belgium Dial-In #:	080070189
Brazil Dial-In #:	08008916634
China Dial-In #:	108001400446
Colombia Dial-In #:	018009198732
Czech Republic Dial-In #:	800142528
Denmark Dial-In #:	80880221
Dominican Republic Dial-In #:	18887514594
Finland Dial-In #:	0800112488
France Dial-In #:	0800917496
Germany Dial-In #:	08001818365
Greece Dial-In #:	0080016122038903
Hong Kong Dial-In #:	800901760
Hungary Dial-In #:	0680015661
Iceland Dial-In #:	8008234
Indonesia Dial-In #:	008800105397
Ireland Dial-In #:	1800550668
Israel Dial-In #:	1809458905
Japan Dial-In #:	00531160236
Korea (South) Dial-In #:	00308140464
Latvia Dial-In #:	8002033
Lithuania Dial-In #:	880030145
Luxembourg Dial-In #:	80024217
Malaysia Dial-In #:	1800807300
Mexico Dial-In #:	0018005148732
Monaco Dial-In #:	80093175
Netherlands Dial-In #:	08000235265
New Zealand Dial-In #:	0800441382
Norway Dial-In #:	80013184
Poland Dial-In #:	008001114592
Portugal Dial-In #:	800819682

Puerto Rico Dial-In #: 18664031409  
Russian Federation Dial-In #: 81080022581012  
Saint Kitts and Nevis Dial-In #: 18007449294  
South Africa Dial-In #: 0800994887  
Spain Dial-In #: 900981518  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905  
Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

1.3 Approval of the Minutes  
DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the June 9, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

-----  
Brian Carpenter / IBM  
Michelle Cotton / ICANN  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / Verisign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Ray Pelletier / ISOC (IAD)  
Jon Peterson / NeuStar, Inc.  
Joyce K. Reynolds / RFC Editor  
Barbara Roseman / ICANN (IANA)  
Dinara Suleymanova / IETF Secretariat

Mark Townsley / Cisco  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / Nokia  
Bert Wijnen / Lucent  
Alex Zinin / Alcatel

## REGRETS

-----  
Leslie Daigle / IAB  
Dave Meyer / Cisco/University of Oregon (IAB Liaison)

## MINUTES

### ----- 1. Administrivia 1.1 Approval of the Minutes

The minutes of the May 26, 2005 IESG Teleconference were approved.  
The Secretariat will place the minutes in the public archives

### 1.2 Documents Approved since the May 26, 2005 IESG Teleconference 1.2.1 Protocol Actions

- o draft-ietf-avt-rtp-bv-04.txt (Proposed Standard)
- o draft-ietf-ipv6-addr-arch-v4-04.txt (Draft Standard)
- o draft-ietf-ipv6-router-selection-07.txt (Proposed Standard)
- o draft-ietf-lemonade-mms-mapping-04.txt (Proposed Standard)

### 1.2.2 Document Actions

- o draft-ietf-speechsc-reqts-07.txt (Informational RFC)
- o draft-ietf-tools-draft-submission-09.txt (Informational RFC)
- o draft-lee-rfc4009bis-02.txt (Informational RFC)
- o draft-lilly-field-specification-04.txt (Informational RFC)
- o draft-lilly-text-troff-04.txt (Informational RFC)
- o draft-mraihi-oath-hmac-otp-04.txt (Informational RFC)

### 1.3 Review of Action Items

DONE:

NONE

DELETED:

NONE

IN PROGRESS:

- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.
- o Jon Peterson to prepare the IESG Projects list to become public

NEW:

NONE

## 1.4 Review of Projects

### 2. Protocol Actions

#### 2.1 WG Submissions

##### 2.1.1 New Item

- o draft-ietf-ipcdn-docsisevent-mib-06.txt - 1 of 9  
Event Notification Management Information Base for DOCSIS Compliant Cable Modems and Cable Modem Termination Systems (Proposed Standard)  
Token: Bert Wijnen

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

- o draft-ietf-tls-psk-08.txt - 2 of 9  
Pre-Shared Key Ciphersuites for Transport Layer Security (TLS) (Proposed Standard)  
Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman.\*

- o draft-ietf-geopriv-dhcp-civil-06.txt - 3 of 9  
Dynamic Host Configuration Protocol (DHCPv4 and DHCPv6) Option for Civic Addresses Configuration Information (Proposed Standard)  
Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Scott Hollenbeck and David Kessens.\*

- o Two document ballot - 4 of 9  
- draft-sparks-sip-nit-problems-02.txt  
Problems identified associated with the Session Initiation Protocol's non-INVITE Transaction (Informational)

- draft-sparks-sip-nit-actions-03.txt

Actions addressing identified issues with the Session Initiation Protocol's non-INVITE Transaction (Proposed Standard)

Token: Allison Mankin

The documents were approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-mmusic-sdp-media-label-01.txt - 5 of 9

The SDP (Session Description Protocol) Label Attribute (Proposed Standard)

Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-sipping-conference-package-11.txt - 6 of 9

A Session Initiation Protocol (SIP) Event Package for Conference State (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Ted Hardie.\*

o draft-ietf-mip6-mipv6-mib-07.txt - 7 of 9

Mobile IPv6 Management Information Base (Proposed Standard)

Token: Margaret Wasserman

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-entmib-state-07.txt - 8 of 9

Entity State MIB (Proposed Standard)

Token: Bert Wijnen

The document was approved by the IESG pending an RFC Editor Note to be prepared by Bert Wijnen. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-tls-rfc2246-bis-12.txt - 9 of 9

The TLS Protocol Version 1.1 (Proposed Standard)

Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley on behalf of IANA.\*

#### 2.1.2 Returning Item

NONE

### 2.2 Individual Submissions

#### 2.2.1 New Item

NONE

#### 2.2.2 Returning Item

NONE

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item

o draft-ietf-grow-bgp-wedgies-02.txt - 1 of 1

BGP Wedgies (Informational)

Token: David Kessens

The document was approved by the IESG pending an RFC Editor Note to be prepared by David Kessens. The Secretariat will send a working group submission Document Action Announcement that includes the RFC Editor Note.

##### 3.1.2 Returning Item

o draft-ietf-dnsop-ipv6-dns-issues-10.txt - 1 of 1

Operational Considerations and Issues with IPv6 DNS (Informational)

Token: David Kessens

The document remains under discussion by the IESG in order to resolve points raised by Margaret Wasserman.\*

#### 3.2 Individual Submissions Via AD

##### 3.2.1 New Item

o draft-mealling-epc-urn-00.txt - 1 of 1

A Uniform Resource Name Namespace For The EPCglobal Electronic Product Code (EPC) (Informational)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Bill Fenner.\*

##### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

#### 3.3.1 New Item

o draft-reschke-webdav-property-datatypes-09.txt - 1 of 1

Datatypes for WebDAV properties (Experimental)

Token: Ted Hardie

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be supplied by Ted Hardie.

#### 3.3.2 Returning Item

o draft-carroll-dynmobileip-cdma-05.txt - 1 of 1

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R) Networks (Informational)

Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by David Kessens.\*

#### 3.3.3 For Action

o draft-kompella-ccc-02.txt - 1 of 1

Circuit Cross-Connect (Informational)

Token: Mark Townsley

The document was assigned to Mark Townsley.

### 4. Working Group Actions

#### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

Layer 1 Virtual Private Networks (l1vpn) - 1 of 1

Token: Alex Zinin

The IESG approved the draft working group charter for IETF review pending edits to the text of the charter from Alex Zinin. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (06/23/2005).

##### 4.1.2 Proposed for IETF Approval

Transparent Interconnection of Lots of Links (trill) - 1 of 1

Token: Margaret Wasserman

The IESG decided that the proposed charter for the working

group had changed significantly, and that it needed to be resent for IETF review pending edits to the text of the charter from Margaret Wasserman. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the working group on the agenda in this same category for the next IESG Teleconference (06/23/2005).

## 4.2 WG Rechartering

### 4.2.1 Under evaluation for IETF Review

NONE

### 4.2.2 Proposed for IETF Approval

Protocol for carrying Authentication for Network Access (pana) - 1 of 1  
Token: Mark Townsley

The IESG decided not to approve the revised charter for the working group at this time. The Secretariat will place the working group on the agenda for the next IESG Teleconference (06/23/2005).

## 5. IAB News We Can Use

## 6. Management Issues

### 6.1 IPv6 Geographic Addressing Approaches (David Kessens)

This management issue was discussed. No one on the 06-09-2005 IESG Teleconference supports holding the IPv6 Geographic Addressing Approaches BoF.

### 6.2 Volunteers to Test the Proceedings Submission Tool (Brian Carpenter)

This management issue was discussed.

### 6.3 Introduction to the IAD (Brian Carpenter)

This management issue was discussed. Ray Pelletier was introduced to the IESG.

### 6.4 Formal liaison with Joint SDO (Bert Wijnen)

This management issue was discussed. The IESG sees no need for a formal liaison yet. The current (version of Thursday June 10) draft GGF Press release, draft GGF SCRM WG charter and draft FAQ on the topic are okay and do not raise any concerns. The IETF does not want a specific quote in the press release; Bert will

encourage (via ops-nm and various WG mailing lists) NM experts from the IETF to participate in the SCRM WG-to-be.

#### 6.5 Expedited Processing for draft-bellovin-mandate-keymgmt-03.txt (Russ Housley)

This management issue was discussed. The IESG approved the expedited handling request for draft-bellovin-mandate-keymgmt-03.txt.

#### 6.6 Network Address Translation-Protocol Translation BoF (natpt) (David Kessens)

This management issue was discussed. Based on the discussion, David Kessens decided not to hold this proposed BoF for now. David will review a potential BoF on this subject again after the natpt reclassification work has been completed (if such a BoF is requested by the proposers).

### 7. Working Group News We Can Use

-----  
\* Please see the ID Tracker (<https://datatracker.ietf.org/public/pidtracker.cgi>) for details on documents that are under discussion by the IESG.

#### 1. Administrivia

##### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: June 13, 2005

IP o Allison Mankin and Thomas Narten to compose a message for the IESG and

IAB related to 3GPP's Release 6 publication deadline and expedited documents.

IP o Jon Peterson to prepare the IESG Projects list to be public.

#### 1. Administrivia

##### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 1 of 8

- o draft-ietf-sip-identity-05.txt  
Enhancements for Authenticated Identity Management in the Session Initiation Protocol (SIP) (Proposed Standard)  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-sip-identity-05.txt to Proposed Standard

-----

Evaluation for draft-ietf-sip-identity-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9634&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9634&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ X ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ R ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

Bill Fenner:

Discuss [2005-06-22]:

[on the Identity-Info change that Allison mentioned in email:

```
Identity-Info = "Identity-Info" HCOLON ident-info (* SEMI identi-info-params )
```

```
|  
V
```

```
Identity-Info = "Identity-Info" HCOLON ident-info (* SEMI ident-info-params
```

```
]
```

That line needs another correction - to change "(" to "(\*". (And to keep the closing parenthesis, but I assume that was just an email formatting error that made it appear to be dropped).

Also, "ident-info-extension" doesn't appear to be defined but it's used a couple of lines down.

It probably makes sense to move the reference to 3261's ABNF further up, since Identity and Identity-Info use pieces of it. digest-string uses 3261's "Method" as "method", which is legal but confusing. Similarly, 3261's "SIP-date" is referred to as "SIP-Date".

Ted Hardie:

Comment [2005-06-22]:

IN 14.4, the document says :

It is strongly RECOMMENDED that self-signed domain certificates should  
not be trusted by verifiers, unless some pre-existing key exchange has justified such trust.

Is there not a use case here for using self-signed domain certificates in cases where you are not trying to establish identity, but are trying to establish the consistency of identity?

Scott Hollenbeck:

Comment [2005-06-20]:

The intro could be clearer about RFC 3261 being reference [1], perhaps

by  
changing "(SIP [1])" to "(SIP, RFC 3261 [1])".

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
sip mailing list <sip@ietf.org>,  
sip chair <dean.willis@softarmor.com>,  
sip chair <rohan@ekabal.com>  
Subject: Protocol Action: 'Enhancements for Authenticated Identity  
Management in the Session Initiation Protocol (SIP)' to  
Proposed  
Standard

The IESG has approved the following document:

- 'Enhancements for Authenticated Identity Management in the Session  
Initiation  
Protocol (SIP) '  
<draft-ietf-sip-identity-05.txt> as a Proposed Standard

This document is the product of the Session Initiation Protocol Working  
Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-sip-identity-05.txt>

#### Technical Summary

The existing security mechanisms in the Session Initiation Protocol  
are inadequate for cryptographically assuring the identity of the end  
users that originate SIP requests, especially in an interdomain  
context. This document specifies a mechanism for securely

identifying

originators of SIP messages. It does so by defining two new SIP  
header fields, Identity, for conveying a signature used for  
validating the identity, and Identity-Info, for conveying a reference  
to the certificate of the signer. It specifies the mechanisms and

procedures for using these and how they can be used with the existing SIP privacy capabilities.

#### Working Group Summary

This specification required a number of tries and much analysis. There was strong consensus on the solution by the time it reached the version in this draft.

#### Protocol Quality

Eric Rescorla has provided early and significant reviewing of this work. Allison Mankin is the Responsible Area Director.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 8

- o draft-ietf-ldapbis-protocol-31.txt  
LDAP: The Protocol (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ldapbis-protocol-31.txt to Proposed Standard

-----

Evaluation for draft-ietf-ldapbis-protocol-31.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=6445&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6445&rfc_flag=0)

Last Call to expire on: 2005-04-29

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment [2005-06-21]:

It is recommended that ASN.1 module be named by an object identifier so that it can be unambiguously referenced from other modules. This facilitates IMPORT by other ASN.1 modules of the types defined here. IANA can assign the ASN.1 module object identifier.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ldapbis mailing list <ietf-ldapbis@openldap.org>, ldapbis chair

<kurt@openLDAP.org>, ldapbis chair <rlmorgan@washingtton.edu>

Subject: Protocol Action: 'LDAP: The Protocol' to None

The IESG has approved the following document:

- 'LDAP: The Protocol '

<draft-ietf-ldapbis-protocol-25.txt> as a None

This document is the product of the LDAP (v3) Revision Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

#### Technical Summary

This document describes the protocol elements, along with their semantics and encodings, of the Lightweight Directory Access Protocol (LDAP). LDAP provides access to distributed directory services that act in accordance with X.500 data and service models. These protocol elements are based on those described in the X.500 Directory Access Protocol (DAP)

#### Working Group Summary

This document is a major work item of the LDAPBIS working group; it has seen extensive discussion and revision over the course of time. The working group came to consensus on this document. There were some comments received during Last Call, and these have been addressed in this version.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 8

- o draft-ietf-ippm-owdp-14.txt

A One-way Active Measurement Protocol (OWAMP) (Proposed Standard)

Note: PROTO shepherd: Henk Uijterwaal, henk@ripe.net

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ippm-owdp-14.txt to Proposed Standard  
-----

Evaluation for draft-ietf-ippm-owdp-14.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=6341&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6341&rfc_flag=0)

Last Call to expire on: 2005-06-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ X ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-09]:

From review by Mark Allman. The first and last points certainly need attention.

- + On page 8 it would seem like the mode value should be chosen from the mode values advertised in the message given on page 7. Right? I think it'd be good to say this.

- + The MBZ fields are often mentioned in the context of filling them in with a "string" of zeros. I think a better word could be chosen here. I understand that we're not really placing a string in the packet. But, more explicitly stating that each bit must be of value zero would be nice. (This is a nit and maybe something that could be clarified by the RFC editor.)
- + Another nit... "uptime" seems like the wrong term. I think "StartTime" would be better since this is an absolute time and not a relative time. I.e., it's when the process started, not how long it has been running. (Right?) (Again, could be fixed with an RFC editor note, I am sure.)
- + I am baffled as to the purpose of the IZP field. I think there needs to be a better paragraph as to what the purpose of this field really is.

Sam Hartman:

Comment [2005-06-21]:

I'm in strong agreement with Russ's security comments. We workedn together to come up with a common understanding of the security concerns about this document. I do not have any concerns with this document outside those concerns.

Scott Hollenbeck:

Comment [2005-06-06]:

Intro:

"The IETF IP Performance Metrics (IPPM) working group has proposed draft standard metrics for one-way packet delay [RFC2679] and loss [RFC2680] across Internet paths."

2679 and 2680 are PROPOSED (not draft) standards.

Russ Housley:

Discuss [2005-06-16]:

The protocol requires automated key management under the soon-to-be-published BCP 107 (see draft-bellovin-mandate-key-mgmt-03). This BCP requires automated key management under most situations and requires explicit justification when manual key management is used. The use of TLS to protect the command channel appears to be a straightforward solution. If this is adopted, please consider DTLS for the test traffic. One approach that deserves consideration is

the transfer of a random secret value on the command channel, and then the use of this (now shared secret) value in DTLS with PSK key management. The PSK document from the TLS WG is in IESG Evaluation, so it will be finished soon.

The structure is tightly coupled with a single encryption algorithm. While I have every confidence in AES, it is highly desirable for protocols to be algorithm independent. At a minimum, the protocol ought to carry an algorithm identifier in the first message sent to the server. If the server cannot support the requested algorithm, then an error is provided (which might include a list of the algorithms that the server does support), and then the TCP connection is closed. Given the structures used in this protocol, major changes would be needed to accommodate a cipher that has a block size other than 128 bits. At a minimum, I would like the security considerations to acknowledge this design decision. There are several ciphers with 128-bit blocks, so it is still straightforward to make this protocol less dependent on AES. AES ought to be the mandatory to implement cipher.

Further, the session-key needs to support more than 128-bit AES keys. Since the protocol designers prefer fixed-length messages, this might be accomplished by providing a very long session key that is truncated for use with a particular cipher. This is the approach used in EAP. This approach would accommodate AES-128, AES-192, AES-256, Camellia, SEED, and many other block ciphers.

A key derivation function (KDF) will also be needed. Currently, the KDF is the encryption of the 16-octet SID by the session key. A KDF that is capable of generating keys of differing sizes is needed.

Section 3.1 says:

>  
> If the shared secret is provided as a passphrase (typical for the  
> case of interactive tools) then the MD5 sum [RFC1321] of the  
> passphrase (without possible newline character(s) at the end of the  
> passphrase) MUST be used as the key for encryption by the client and  
> decryption by the server (the passphrase also MUST NOT contain  
> newlines in the middle). This ensures that a passphrase used to  
> generate a secret in one implementation will generate the same  
> secret in another implementation and the implementations will,  
> therefore, be interoperable.  
>

I understand the need to specify a means of translating a passphrase into a shared secret. However, PKCS #5 (see RFC 2898) is the normal way that this is done. If PKCS #5 (with PBKDF2) is not

adopted, then the security considerations ought to explain why this algorithm is more appropriate for this protocol. Further, given the environment already requires tight time sync, the time could be used as a salt in the key derivation. Obviously, the use of a very finer grained time would be problematic, but the year, month, day and hour in UTC would probably be very useful.

The document provides an incorrect description of how secret keys work. It says, "secret keys, rather than having the low entropy typical of passwords, are suitable for use as AES keys," and then goes on to describe how to generate a key from a password. Such a key is going to have exactly the same amount of entropy as the password from which it is generated.

The IZP integrity mechanism is very flawed. Since CBC will sync after two blocks, it does not provide the intended message integrity and authentication that is intended. I am not sure that this can be exploited given the current message layouts; I did not take the time to look for places where adjacent blocks contain data that an attacker might want to tamper. Regardless, future extensions to the protocol might add fields to the messages that make this attack simple. In short, the use of CBC mode with a constant to provide integrity protection is not acceptable. Consider using AES-CCM or AES-GCM when confidentiality and integrity are both needed.

The discussion of encryption is not clear. For example, the discussion of the Request-Session message does not state which part of the message is encrypted. The IV precessing is very unclear. Test vectors and clear descriptions are needed.

Section 6 includes a discussion of why TLS was not used. I can see the reasons for not using TLS for the test protocol. However, these reasons do not extend to DTLS. Further, TLS seems like a good choice for the protection of the command channel. The use of TLS would address the concerns about automated key management and would provide sound integrity protection for the command channel.

Please reference RFC 4086 (a.k.a. BCP 106) instead of RFC 1750.

Comment [2005-06-16]:

The 2nd paragraph of section 2 says:

>

> The initiator of the measurement session establishes a TCP connection

> to a well-known port on the target point and this connection remains  
> open for the duration of the OWAMP-Test sessions. IANA will be  
> requested to allocate a well-known port number for OWAMP-Control  
> sessions. An OWAMP server SHOULD listen to this well-known port.  
>

I think that this paragraph should be written in a manner that makes it simple for implementors once IANA assigns the well-known port number.

For, example, the text could say: "The initiator of the measurement session establishes a TCP connection to a well-known port XX on the target and this connection remains open for the duration of the OWAMP-Test sessions. [RFC Editor: Please replace 'XX' with the value assigned by IANA.]"

The well-known port concern surfaces several other places. I will not point out each one, but I believe that the reader will be well served if each of them is handled as described above.

Some protocol messages do not have names. This makes it difficult to comment on the protocol. For example, the message sent by the Control-Client or a Fetch-Client as part of session set-up is discussed on page 8. The protocol message has a clear description, but without a protocol message name, it takes a lot of words to reference a particular message. Solving this is not a big deal. For example, the document currently says:

>  
> Otherwise, the client MUST respond with the following message:  
>  
This could be replaced with:  
>  
> Otherwise, the client MUST respond with the Set-Up-Response message:

I wish that the 'Username' field had a different name. It does not name a user. It names a shared secret. In other protocols, this would be called a key identifier (KeyID).

Bert Wijnen:

Comment [2005-06-09]:

Review comments from a AAA-Doctor (Jari) and author/editor has agreed (to at least part of it) and I think has revised text.

--- comments from Jari follows:

I read this draft based on Bert's request.

Here are my comments:

Overall:

I like this draft, its very exciting technology. I'm eager to start testing it, when it becomes available on the types of machines that I use.

The draft is mostly OK. I noted some nits. The main technical concern I have is tightening up the denial-of-service protection text.

Note that I'm not a IPPM expert and this is the first time I read this draft. I may have missed something obvious. If so, let me know.

Technical:

> 6.2. Preventing Third-Party Denial of Service

>

> OWAMP-Test sessions directed at an unsuspecting party could be used  
> for denial of service (DoS) attacks. In unauthenticated mode,  
> servers SHOULD limit receivers to hosts they control or to the  
OWAMP-  
> Control client.

The above text is good, but I would like to tighten the rule a little bit. Maybe by adding this:

"Specifically, unless otherwise configured, the default behavior of servers MUST be to decline requests where the Receiver Address field is not equal to the address that the control connection was initiated from. Given the TCP handshake procedure and sequence numbers in the control connection, this ensures that the hosts that make such requests are actually those hosts themselves, or at least on the path towards them. If either this test or the handshake procedure were omitted, it would become possible for attackers anywhere in the Internet to request large amounts of test packets be directed against victim nodes somewhere else.

In any case, servers MUST decline all requests where the Sender Address is not either the server's own address or the address of a node that it controls; OWAMP-Test packets with a given source address can only be sent from the node that has been assigned that address."

- > payload of a single ATM cell (this is only achieved in
- > unauthenticated and encrypted modes).

I have to wonder whether this should read "unauthenticated and unencrypted", but I'm reading on... Section 4.1.2 shows the authenticated and encrypted modes to have the same format, and neither EBC or CBC modes should add any overhead. What am I missing? Why does an encrypted mode packet fit an ATM cell but an authenticated does not? And I don't see a MAC field anywhere.

- > The protocol does not carry any information in a natural language.

I would actually prefer the Username field to be in UTF-8, rather than Octet. (It would be even better if it were possible to have longer than 16 byte usernames, in case someone later wants to use AAA or something for the shared secret management of OWDP. But I can see that changing that would be a too big change for the protocol formats.)

#### > 7. IANA Considerations

- >
- > IANA is requested to allocate a well-known TCP port number for the
- > OWAMP-Control part of the OWAMP protocol.

How about Accept values? Might make sense to have a rule about adding those. Say, Standards Action.

Editorial:

- > hosts
- > increasingly have available to them very accurate time
- > sources

Maybe "very accurate time sources are increasingly available to hosts", which sounds better to me (but I'm not a native speaker).

--Jari

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ippm mailing list <ippm@ietf.org>,  
ippm chair <henk@ripe.net>,  
ippm chair <matt@internet2.edu>  
Subject: Protocol Action: 'A One-way Active Measurement Protocol  
(OWAMP)' to Proposed Standard

The IESG has approved the following document:

- 'A One-way Active Measurement Protocol (OWAMP) '  
<draft-ietf-ippm-owdp-14.txt> as a Proposed Standard

This document is the product of the IP Performance Metrics Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

With growing availability of good time sources to network nodes, it becomes increasingly possible to measure one-way IP performance metrics with high precision. To do so in an interoperable manner, a common protocol for such measurements is required. The One-Way Active Measurement Protocol (OWAMP) can measure one-way delay, as well as other unidirectional characteristics, such as one-way loss. This document is an implementation of the requirements draft (RFC 3763) published earlier.

#### Working Group Summary

The working group extensively worked on requirements for this protocol (which were approved by the IESG in 2004 and published as RFC 3763), and in general, developed this protocol for about three years, with a great deal of participation and discussion from experience. The decision to advance had strong working group support. There were no IETF Last Call comments.

#### Protocol Quality

Three implementations of the protocol exist, a fourth site has indicated that they will implement this. This protocol sits on top of IPPM metrics

(RFC2330, 2678-2681). The group of users of these metrics have all expressed interest in this protocol.

The security section of RFC3763 took a long time to complete. In order to make sure that this document met the security requirements set for in that document, a security review has been done by Sam Weiler. His comments have been incorporated. The Responsible Area Director also reviewed the document against RFC 3763, and the shepherding Chair, Henk Uijterwaal, reviewed the detailed security support.

Henk Uijterwaal has shepherded this specification.

Note to the RFC Editor

(if any)

Note to the IANA

(if any)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 8

- o draft-ietf-dhc-dna-ipv4-12.txt

Detecting Network Attachment (DNA) in IPv4 (Proposed Standard)

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dhc-dna-ipv4-12.txt to Proposed Standard

-----

Evaluation for draft-ietf-dhc-dna-ipv4-12.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=10756&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10756&rfc_flag=0)

Last Call to expire on: 2005-05-24

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ X ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment [2005-06-22]:

The document says:

Experience has shown that IPv4 Link-Local addresses are often assigned inappropriately, compromising both performance and connectivity.

Is there a citation for this, or was this experience shared with the working group?

Sam Hartman:

Discuss [2005-06-21]:

Section 2.1 of the document discusses implementations of DNAV4 using snooping versions of OSPF and RIP to understand what prefixes are on a subnet without fully participating in a routing protocol. While this

practice is encouraged by this specification, no reference to how to do it is provided. If such a reference exists it needs to be included. If no such reference exists, please confirm that sufficient detail is provided that implementations are unlikely to break the routing infrastructure by misimplementing this feature.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

dhc mailing list <dhcwg@ietf.org>,

dhc chair <rdroms@cisco.com>,

dhc chair <venaas@uninett.no>

Subject: Protocol Action: 'Detection of Network Attachment (DNA) in IPv4' to Proposed Standard

The IESG has approved the following document:

- 'Detection of Network Attachment (DNA) in IPv4 '  
<draft-ietf-dhc-dna-ipv4-11.txt> as a Proposed Standard

This document is the product of the Dynamic Host Configuration Working Group.

The IESG contact persons are Margaret Wasserman and Mark Townsley.

√. - Technical Summary

- √. (Abstract from "Detection of Network Attachment (DNA) in IPv4")
- √. The time required to detect movement (or lack of movement) between
- √. subnets, and to obtain (or continue to use) a valid IPv4 address may
- √. be significant as a fraction of the total delay in moving between
- √. points of attachment.√. This document synthesizes experience garnered
- √. over the years in the deployment of hosts supporting ARP, DHCP and
- √. IPv4 Link-Local addresses.√. A procedure is specified for detection
- of
- √. network attachment in order to better accommodate mobile hosts.
- √. The document addresses a need for compilation of experiences with
- √. various protocol specifications and formal description of protocol
- √. operation based on those experiences.√. Members of the dhc WG

√. provided significant expert input based on experience with DHCP  
√. client/server deployment and operation.

√. - Working Group Summary

√. The dhc WG was actively involved in the development of this  
√. document and provided significant input.√. The consensus of the WG  
√. is to submit the document for publication.√. The issues raised  
√. during discussion of this document, including the WG last call, are  
√. listed at <http://www.drizzle.com/~aboba/DNA/>

√. - Protocol Quality

√. This document does not define a protocol; rather, it provides a  
√. formal description of procedures for host movement that are useful  
√. in protocols like DHCP and IPv4 link-local addresses.√. The quality  
√. of the document is excellent.

This document was reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a  
reasonable basis on which to build the salient part of the  
Internet  
infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 8

- o draft-ietf-atompub-format-09.txt

The Atom Syndication Format (Proposed Standard)

Note: Paul Hoffman <[phoffman@imc.org](mailto:phoffman@imc.org)> is the shepherd for the  
atompub  
working group.

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <[iesg@ietf.org](mailto:iesg@ietf.org)>

From: IESG Secretary <[iesg-secretary@ietf.org](mailto:iesg-secretary@ietf.org)>

Reply-To: IESG Secretary <[iesg-secretary@ietf.org](mailto:iesg-secretary@ietf.org)>

Subject: Evaluation: draft-ietf-atompub-format-09.txt to Proposed  
Standard

-----

Evaluation for draft-ietf-atompub-format-09.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11964&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11964&rfc_flag=0)

Last Call to expire on: 2005-05-04

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ X ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Discuss [2005-06-21]:

There are several places in the document where the text talks about dereferencing IRIs (see, for example 4.2.4). While I believe I understand the shorthand here, we need to be somewhat careful in how we describe this. For HTTP, as an example, any IRI that did not also conform to the URI spec (that is to RFC 3986/STD 66) would have to go through the mapping steps in RFC 3987, section 3.1, before dereferencing. This is true for any scheme which does not support IRIs

natively. I believe that this needs to be highlighted in the document and the text on dereferencing shifted to "dereferencing the URI".

Please understand that I have no objections to the use of IRIs as identifiers here, and I believe that the IRI comparison rules are fine. But for protocol processing, which is what "dereferencing" will imply to most readers, current schemes use URIs as described in 3986; we need to make that clear so that the work in 3987 on how to do the mapping gets invoked correctly.

Comment [2005-06-21]:  
The document says:

### 3.1.1 The "type" Attribute

Text constructs MAY have a "type" attribute. When present, the value MUST be one of "text", "html" or "xhtml". If the "type" attribute is not provided, Atom Processors MUST behave as though it were present with a value of "text". MIME media types [MIMereg] MUST NOT be used as values for the "type" attribute.

and Later:

### 4.1.3.1 The "type" attribute

On the atom:content element, the value of the "type" attribute MAY be one of "text", "html", or "xhtml". Failing that, it MUST be a MIME media type, but MUST NOT be a composite type (see Section 4.2.6 of [MIMereg]). If the type attribute is not provided, Atom Processors MUST behave as though it were present with a value of "text".

While I understand that the 4.1.3.1 text applies to atom:content rather than more generally, given the MUST NOT vs. MUST here I strongly encourage some further efforts to clarify this apparent contradiction. The first could

have a  
forward pointer to the second as a note, the second to the first as a  
note, or  
the names  
could be disambiguated in some way. I don't see this as blocking, but I  
believe  
it  
would be very useful to get this somewhat clearer.

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
atompub mailing list <atom-syntax@imc.org>,  
atompub chair <paul.hoffman@vpnc.org>,  
atompub chair <tbray@textuality.com>  
Subject: Protocol Action: 'The Atom Syndication Format' to Proposed  
Standard

The IESG has approved the following document:

- 'The Atom Syndication Format '  
<draft-ietf-atompub-format-09.txt> as a Proposed Standard

This document is the product of the Atom Publishing Format and Protocol  
Working

Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-atompub-format-09.txt>

Technical Summary:

This document describes the Atom format for syndication. It is  
XML-based and is considered to be the successor to the earlier RSS  
formats. Its primary use is for web-based content, but is expected to  
be used for non-web content as well, such as personal news feeds.

## Working Group Summary:

Some members of the working group remain unenthusiastic about some sections of the document, but the chairs strongly believe that there is rough (or better) consensus in support of the document as a whole. For some of the parts with the most contention, there cannot be more than very rough consensus due to basic differences in the way people would design parts of the format, particularly given that we have many models in existence with the different flavors of RSS. For some parts of the document, there is contention about whether or not a particular item should or should not be in the Atom core versus being an extension. For some parts, there is contention whether there should be MUST/SHOULD/MAY leeway for content creators in the presence or absence of an element, or the semantic content of an element; the group really pushed RFC 2119 around during the past few months.

## Protocol Quality

Scott Hollenbeck and the XML Directorate have reviewed the specification for the IESG. Test implementations have confirmed basic protocol soundness.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 8

- o draft-ietf-sipping-cc-conferencing-07.txt

Session Initiation Protocol Call Control - Conferencing for User Agents

(BCP)

Note: PROTO shepherd: gonzalo.camarillo@ericsson.com

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sipping-cc-conferencing-07.txt to BCP

-----

Evaluation for draft-ietf-sipping-cc-conferencing-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10219&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10219&rfc_flag=0)

Last Call to expire on: 2005-05-20

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ . ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ X ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ X ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-06]:

Text uses RFC 2119 terminology but the reference [1] to RFC 2119 is not cited.

Even in the pending -07 version the citation is not a real citation.

Ted Hardie:

Discuss [2005-06-22]:

In 3.1, the document says:

A focus SHOULD utilize a GRUU as discussed in Section 4.2.

In 4.2, the document says:

The Conference URI MUST have the GRUU (Globally Routable User Agent URI) properties as detailed in [16].

From discussions with Allison, I understand this to mean that a non-GRUU URI would be acceptable, provided it met all the properties of a GRUU. These are set out in draft-ietf-sip-gruu, which is listed as an Informative Reference.

While I can certainly understand not wanting to gate this work on the appearance of GRUUs, I believe that this needs to be a normative reference if the requirements are derived from it. If you must have access to this document to know the requirements for constructing the URI, it's normative.

To avoid that, I believe 4.2 should reiterate the 3 main characteristics of a GRUU: global, routes to a single instance, and long lived. Importing all of section 3 of draft-ietf-sip-gruu and replacing "GRUU" with "the conference URI" would do it well.

Russ Housley:

Comment [2005-06-20]:

Why is this a BCP? It seems like Proposed Standard would work fine.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
sipping mailing list <sipping@ietf.org>,  
sipping chair <gonzalo.camarillo@ericsson.com>,  
sipping chair <dean.willis@softarmor.com>,

sipping chair < rohan@ekabal.com>  
Subject: Protocol Action: 'Session Initiation Protocol Call Control -  
Conferencing for User Agents' to BCP

The IESG has approved the following document:

- 'Session Initiation Protocol Call Control - Conferencing for User  
Agents '  
<draft-ietf-sipping-cc-conferencing-06.txt> as a BCP

This document is the product of the Session Initiation Proposal  
Investigation  
Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

This specification defines conferencing call control features for the Session Initiation Protocol (SIP). This document builds on the Conferencing Requirements and Framework documents to define how a tightly coupled SIP conference works. The approach is explored from different user agent (UA) types perspective: conference-unaware, conference-aware and focus UAs. The use of URIs in conferencing, OPTIONS for capabilities discovery, and call control using REFER are covered in detail with example call flow diagrams. The usage of the isfocus feature tag is defined.

This specification uses the concepts and definitions from the WG's "High Level Requirements for Tightly Coupled SIP Conferencing," and "A Framework for Conferencing with the Session Initiation Protocol,"

approved earlier. In the tightly coupled architecture, a UA, known as participant, establishes a SIP dialog with another UA, known as focus. The focus is the central point of control, authentication and

authorization. This specification defines the operations of a focus and participant UAs. Not that only the signaling (SIP) needs to be centralized in this model - the media can be centrally mixed, distributed, or even multicast (by the nature of the media descriptions

that the model establishes). For a full discussion of this architecture,

see the SIP conferencing Framework mentioned already.  
already.

This document presents the basic call control (dial-in and dial-out) conferencing building blocks from the UA perspective. Possible applications include ad-hoc conferences and scheduled conferences.

#### Working Group Summary

The working group strongly supported advancing this document.

3GPP and OMA have notified the IETF that this specification is a critical dependency.

#### Protocol Quality

Allison Mankin reviewed the specification for the IESG. It was revised to add specific security considerations. Due to a General Area Directorate Review, it was revised to add some additional context and introduction.

Gonzalo Camarillo has been the working group shepherd.

#### Note to the RFC Editor

(if any)

#### Note to the IANA

(if any)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 8

- o draft-ietf-imapect-2086upd-07.txt  
IMAP4 ACL extension (Proposed Standard)  
Note: Proto shepherd is Lisa Dusseault

<lisa@osafoundation.org>  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-imapext-2086upd-07.txt to Proposed Standard  
-----

Evaluation for draft-ietf-imapext-2086upd-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12288&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12288&rfc_flag=0)

Last Call to expire on: 2005-06-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Comment [2005-06-21]:

This document says that identifiers used as usernames for the login and authenticate commands are reserved to correspond to those users. However the authenticate command doesn't really take a username. I'm not sure what the right way of saying this in IMAP is, but in SASL it would be the authorization identity. But basically the text should be

clarified to make it consistent with how authenticate actually works.

Russ Housley:

Discuss [2005-06-20]:

This specification depends on SASLprep, which is defined in RFC 4013. The security considerations of RFC 4013 say:

>  
> This profile is intended to prepare simple user name and password  
> strings for comparison or use in cryptographic functions (e.g.,  
> message digests). The preparation algorithm was specifically  
> designed such that its output is canonical, and it is well-formed.  
> However, due to an anomaly [PR29] in the specification of Unicode  
> normalization, canonical equivalence is not guaranteed for a select  
> few character sequences. These sequences, however, do not appear in  
> well-formed text. This specification was published despite this  
> known technical problem. It is expected that this specification  
will  
> be revised before further progression on the Standards Track (after  
> [Unicode] and/or [StringPrep] specifications have been updated to  
> address this problem).

>  
The security considerations of this document need to address this point.

How does this situation impact ACL processing?

Jon Peterson:

Comment [2005-06-22]:

While this entire document concerns access and permissions, it seems to lack any text describing the protocol security requirements of a protocol that sets such permissions. Section 4 details what rights one must possess in order to modify ACLs, but I don't really see any text that describes the related threats concerning impersonation, replays, eavesdropping and so on in ACL creation. I have no doubt that mechanisms to address such threats exist in core IMAP (like SASL and STARTTLS), but it would be nice if this document explained why implementers should bother to use them.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
imapext mailing list <ietf-imapext@imc.org>,  
imapext chair <presnick@qualcomm.com>,  
imapext chair <lisa@osafoundation.org>

Subject: Protocol Action: 'IMAP4 ACL extension' to Proposed Standard

The IESG has approved the following document:

- 'IMAP4 ACL extension '  
<draft-ietf-imapext-2086upd-07.txt> as a Proposed Standard

This document is the product of the Internet Message Access Protocol  
Extension  
Working Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-imapext-2086upd-07.txt>

#### Technical Summary

The ACL (Access Control List) extension (RFC 2086) of the Internet Message Access Protocol (IMAP) permits mailbox access control lists to be retrieved and manipulated through the IMAP protocol. This document is a revision of RFC 2086. It defines several new access control rights and clarifies which rights are required for different IMAP commands.

#### Working Group Summary

The document has been reviewed by key working group members and implementers. Consensus was reached, and there are no known issues risking appeal.

#### Protocol Quality

Scott Hollenbeck has reviewed this specification for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 8 of 8

- o draft-ietf-smime-certcapa-05.txt

X.509 Certificate Extension for S/MIME Capabilities (Proposed Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-smime-certcapa-05.txt to Proposed Standard

-----

Evaluation for draft-ietf-smime-certcapa-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12384&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12384&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ X ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

Alex Zinin                [   ]        [   ]        [   ]        [   ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment [2005-06-22]:

Nit:

gracefully ignore any present S/MIME capabilities that is not consider relevant to its particular use of the certificate.

--> is not considered relevant

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

smime mailing list <ietf-smime@imc.org>,

smime chair <turners@ieca.com>,

smime chair <blake@sendmail.com>

Subject: Protocol Action: 'X.509 Certificate Extension for S/MIME Capabilities' to Proposed Standard

The IESG has approved the following document:

- 'X.509 Certificate Extension for S/MIME Capabilities '  
<draft-ietf-smime-certcapa-04.txt> as a Proposed Standard

This document is the product of the S/MIME Mail Security Working Group.

The IESG contact persons are Russ Housley and Sam Hartman.

Technical Summary

This protocol provides an X.509 public key certificate extension to indicate

the end entity's S/MIME cryptographic capabilities. It is an optional, non-critical extension.

#### Working Group Summary

Initially, the major discussion point was whether this mechanism, which is considered a "static" mechanism, is better or worse than a more "dynamic" mechanism, which could change without affecting the public key certificates contents. The WG decided to allow for the possibility of another editor could step for to define the "dynamic" mechanism, but that this "static" mechanism should be allowed to proceed. The other discussions on the draft were considered minor, mostly dealt with the security considerations wording, and these issues were resolved quickly.

#### Protocol Quality

The protocol is implemented by one vendor already in a number of their products.

This document was reviewed by Russ Housley for the IESG.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 1 of 1

- o draft-ietf-nntpext-base-27.txt

Network News Transfer Protocol (Proposed Standard)

Note: Document shepherd: Russ Allbery <rra@stanford.edu>.

Returning

to secure positive ballots needed due to AD changes since the document was

last reviewed.

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-nntpext-base-27.txt to Proposed Standard

-----

Evaluation for draft-ietf-nntpext-base-27.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=2739&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=2739&rfc_flag=0)

Last Call to expire on: 2005-06-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ X ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ . ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ X ]
David Kessens	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ . ]	[ X ]
Thomas Narten	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment [2004-04-13]:

Since this document updates the NNTP specification to use UTF-8 instead of

ASCII, it would be useful to define the terms "NUL", "TAB", "LF", "CR, and

"space" etc.

with reference to UTF-8 instead of to ASCII. The restrictions to printable

US-ASCII should specify those or refer to a specification for them (in UTF-8

terms, again).

In 3.1., the document says

Note that texts using an encoding (such as UTF-16 or UTF-32) that may contain the octets NUL, LF, or CR other than a CRLF pair cannot be reliably conveyed in the above format. However, except when stated otherwise, this specification does not require the content to be UTF-8 and it is possible for octets above and below 128 to be mixed arbitrarily.

Does not make sense to me. The document describes this as a request-response protocol using the utf-8 encoding, but allows the content of responses to be in some other encoding, where some of those encoding are known not to be reliably conveyed by the request/response format.

The document says

Certain responses contain arguments such as numbers and names in addition to the status indicator. In those cases, to simplify interpretation by the client the number and type of such arguments is

fixed for each response code, as is whether or not the code introduces a multi-line response. Any extension MUST follow this principle as well, but note that, for historical reasons, the 211 response code is an exception to this.

What the exception is not stated at this point in the text; the next usage is in an example, which is thus rendered hard to interpret.

The draft says this:

The content of a header SHOULD be in UTF-8. However, if a server receives an article from elsewhere that uses octets in the range 128 to 255 in some other manner, it MAY pass it to a client without modification. Therefore clients MUST be prepared to receive such headers and also data derived from them (e.g. in the responses from the OVER extension (Section 8.5)) and MUST NOT assume that they are always UTF-8.

If a client receives headers in some encoding which it does not support, what does this MUST mean?

I concluded that I should abstain on this document while reading section 3.4,  
and I did not review further

Scott Hollenbeck:

Comment [2005-06-16]:  
Late-breaking note from the WG:

"Just in case the base doc gets spun again, the title for the NNTP-STREAM reference is incorrect (cut-n-paste error), and the NNTP-AUTH, NNTP-TLS and NNTP-STREAM file revisions are all out of date."

Russ Housley:

Comment [2004-04-13]:

I do not want to block progress of this specification. However, the security considerations section requires an understanding of XSECRET and XENCRYPT which are not described in the document. Further, the XSECRET command seems to have a similar use as AUTHINFO in [RFC2980].

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
nntpext mailing list <ietf-nntp@lists.eyrie.org>,  
nntpext chair <ned.freed@mrochek.com>,  
nntpext chair <rra@stanford.edu>

Subject: Protocol Action: 'Network News Transfer Protocol' to Proposed Standard

The IESG has approved the following document:

- 'Network News Transfer Protocol '  
<draft-ietf-nntpext-base-27.txt> as a Proposed Standard

This document is the product of the NNTP Extensions Working Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-nntpext-base-27.txt>

#### Technical Summary

The Network News Transfer Protocol (NNTP) has been in use in the Internet for a decade and remains one of the most popular protocols (by volume) in use today. This document is a replacement for RFC 977 and officially updates the protocol specification. It clarifies some vagueness in RFC 977, includes some new base functionality, and provides a specific mechanism to add standardized extensions to NNTP.

#### Working Group Summary

The NNTPEXT WG achieved consensus on this document. The working group revised the document significantly after IESG review took place in April, 2004. A second IETF last call was requested in May 2005 to review the working group's revisions.

#### Protocol Quality

Scott Hollenbeck reviewed this specification for the IESG.

This document was reviewed by Russ Allbery, comparing it against the existing INN NNTP implementation. INN intends to make the necessary changes to fully implement this protocol. It has also been reviewed by other NNTP server and client authors in the NNTPEXT WG group and by participants in the news.software.nntp Usenet newsgroup.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 1 of 4

- o draft-zeilenga-ldap-x509-01.txt

Lightweight Directory Access Protocol (LDAP) schema definitions for X.509

Certificates (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-zeilenga-ldap-x509-01.txt to Proposed Standard

-----

Evaluation for draft-zeilenga-ldap-x509-01.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12428&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12428&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ X ]	[ ]

Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-17]:

Editorial points from review by Elwyn Davies:

>>

>>I found a couple of trivial editorial nits:

>>s.1, para 3: 2nd bullet: s/updated/updates/

>>s.6, para 2: s/In absence/In the absence/

>>s.8, para 1: s/to refine LDAP/to refine the LDAP/

>>

>>The acronyms GSER, DER and ABNF could do with expansion on first occurrence.

Bill Fenner:

Discuss [2005-06-22]:

Minor typo in the ABNF:

this x:

id-authorityKeyIdentifier =

%x61.75.74.68.6F.72.69.74.79.4B.65.79.49.x64.65.6E.

74.69.66.69.65.72

-----^

does not belong.

Same with this one:

id-cessationOfOperation =

%x63.65.73.73.61.74.69.6F.6E.4F.66.4F.70.x65.72.61.74.69.6F.6E

-----^

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Lightweight Directory Access Protocol  
(LDAP) schema definitions for X.509 Certificates' to Proposed  
Standard

The IESG has approved the following document:

- 'Lightweight Directory Access Protocol (LDAP) schema definitions for  
X.509  
Certificates '  
<draft-zeilenga-ldap-x509-01.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document describes schema for representing X.509 certificates,  
X.521 security information, and related elements in directories  
accessible using the Lightweight Directory Access Protocol (LDAP).  
The LDAP definitions for these X.509 and X.521 schema elements  
replaces those provided in RFC 2252 and RFC 2256.

#### Working Group Summary

This document is the product of an individual submitter. The document  
was announced both on the LDAP-EXT mailing list and the PKIX mailing  
list.

No objections were raised during IETF Last Call.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 4

- o draft-zeilenga-ldap-assert-05.txt

The LDAP Assertion Control (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-zeilenga-ldap-assert-05.txt to Proposed Standard

-----

Evaluation for draft-zeilenga-ldap-assert-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10289&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10289&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Brian Carpenter	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment [2005-06-21]:

In section 3: s/Start TLS/StartTLS/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The LDAP Assertion Control' to Proposed  
Standard

The IESG has approved the following document:

- 'The LDAP Assertion Control '  
<draft-zeilenga-ldap-assert-05.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

## Technical Summary

This document defines the Lightweight Directory Access Protocol (LDAP) assertion control. The assertion control allows the client to specify a condition which must be true for the operation to be processed normally. Otherwise the operation fails. For instance, the control can be used with the Modify operation to perform atomic "test and set" and "test and clear" operations.

The control may be attached to any update operation to support conditional addition, deletion, modification, and renaming of the target object. The asserted condition is evaluated as an integral part the operation.

## Working Group Summary

This document is the product of an individual submitter. It was discussed informally in the LDAPEXT working group, and at an informal BoF announced on the LDAPEXT mailing list. No issues were raised during IETF Last Call.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 3 of 4

o draft-zeilenga-ldap-t-f-10.txt

LDAP Absolute True and False Filters (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-zeilenga-ldap-t-f-10.txt to Proposed Standard

-----

Evaluation for draft-zeilenga-ldap-t-f-10.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8308&rfc_flag=0)

[command=view\\_id&dTag=8308&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8308&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'LDAP Absolute True and False Filters' to  
Proposed Standard

The IESG has approved the following document:

- 'LDAP Absolute True and False Filters '  
<draft-zeilenga-ldap-t-f-10.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document extends the Lightweight Directory Access Protocol (LDAP) to support absolute True and False filters based upon similar capabilities found in X.500 directory systems. The document also extends the String Representation of LDAP Search Filters to support these filters. (What does this protocol do and why does the community need it?)

#### Working Group Summary

This document is the work of an individual submitter. It was discussed informally in the LDAPEXT working group.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 4 of 4

- o draft-zeilenga-ldap-readentry-04.txt  
LDAP Read Entry Controls (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-zeilenga-ldap-readentry-04.txt to Proposed Standard

-----

Evaluation for draft-zeilenga-ldap-readentry-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=10531&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10531&rfc_flag=0)

Last Call to expire on: 2005-06-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]

Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-17]:

Editorial points from review by Scott Brim:

...

Some text suggestions:

If the update operation fails (in either normal or control processing), no response control is provided.

I know this means that no response control is provided for the post-read request, but as a naive reader I had to stop and think whether that meant no response was provided to the update request at all. Not knowing the protocol well, it's hard for me to suggest an improvement, but consider adding "to the post-read request control".

The Pre-Read and Post-Read controls may be combined with each other and/or with a variety of other controls. When combined with the assertion control [Assertion] and/or the managedDsaIT control [RFC3296], the semantics of each control included in the combination apply. The Pre-Read and Post-Read controls may be combined with other controls as detailed in other technical specifications.

You could delete the last sentence, which is somewhat redundant, if you added "as detailed in other specifications" to the first sentence.

The controls defined in this document extend update operations to support read capabilities. Servers MUST ensure that the client is authorized both for reading of the information provided in this control in addition to ensuring the client is authorized to perform

the requested directory update.

That last sentence has too much in it and probably isn't English. How about "Servers MUST ensure that the client is authorized both to read the information provided in this control and to perform the requested directory update"?

A small nit: sometimes it says "a LDAP control" and sometimes "an LDAP control".

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'LDAP Read Entry Controls' to Proposed  
Standard

The IESG has approved the following document:

- 'LDAP Read Entry Controls '  
<draft-zeilenga-ldap-readentry-04.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document specifies an extension to the Lightweight Directory Access Protocol (LDAP) to allow the client to read the target entry of an update operation (e.g., Add, Delete, Modify, ModifyDN). The extension utilizes controls attached to update requests to request and return copies of the target entry. One request control, called the Pre-Read request control, indicates that a copy of the entry before application of update is to be returned. Another control, called the Post-Read request control, indicates that a copy of the entry after application of the update is to be returned. Each request control has a corresponding response control used to return the entry.

To ensure proper isolation, the controls are processed as an atomic part of the update operation.

#### Working Group Summary

This document is the work of an individual submitter. It was discussed informally on the LDATEXT working group mailing list.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

#### 2.2.2 Returning Item

NONE

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.1.1 New Item - 1 of 2

- o draft-ietf-rohc-over-reordering-03.txt

Robust Header Compression (ROHC): ROHC over Channels that can

Reorder

Packets (Informational)

Note: PROTO shepherd: lars-erik.jonsson@ericsson.com

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-rohc-over-reordering-03.txt to  
Informational

RFC

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Evaluation for draft-ietf-rohc-over-reordering-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12363&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12363&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-22]:

Comments from Michael Patton:

In Section 4.1, both examples you cite for single-hop reordering are wireless. This might lead some to think that only wireless L2 technologies would do this. It would help if you could mention some other L2 technologies that do this. FR and MPLS are probably good candidates.

#### Typos

-----

Section 6.1.1.1: "that a least one" => "that at least one"

Section 6.1.2.1: the parenthesis is not closed.

Section 6.1.2.2: "to be cause of" => "to be the cause of"

Section 6.1.2.2: "one of the decompression attempt is"  
=> "one of the decompression attempts is"

Section 6.2.2.1: "which of a value p=7" => "which a value of p=7"

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

rohc mailing list <rohc@ietf.org>,

rohc chair <cabo@tzi.org>,

rohc chair <lars-erik.jonsson@ericsson.com>

Subject: Document Action: 'RObust Header Compression (ROHC): ROHC over Channels that can Reorder Packets' to Informational RFC

The IESG has approved the following document:

- 'RObust Header Compression (ROHC): ROHC over Channels that can Reorder Packets '  
<draft-ietf-rohc-over-reordering-03.txt> as an Informational RFC

This document is the product of the Robust Header Compression Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-rohc-over-reordering-03.txt>

Note to RFC Editor

(if any)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.1.1 New Item - 2 of 2

###### o draft-ietf-sipping-torture-tests-07.txt

Session Initiation Protocol Torture Test Messages (Informational)

Note: Document was not released till there were five full peer reviews.√.

Tests used in interops..

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sipping-torture-tests-07.txt to Informational

RFC

-----

Evaluation for draft-ietf-sipping-torture-tests-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9255&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9255&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-20]:

No tests related to IPv6 addresses, as far as I can see. Since IPv6 address contain colons and there are colons in SIP syntax, it might be as well to torture implementations in this area too.

Russ Housley:

Discuss [2005-06-22]:

I decoded the CMS SignedData structure in section 3.1.1.11, and it contains a few things that surprised me.

- The encoding of the SHA-1 algorithm identifier is valid, but it is not the preferred form. The preferred form omits the NULL parameters as is clearly stated in RFC 3370 in section 2.1, which says: "Implementations SHOULD generate SHA-1 AlgorithmIdentifiers with absent parameters."
- The S/MIME Capabilities advertise support for Triple-DES-CBC, RC2-128-CBC, RC2-64-CBC, RC2-40-CBC, and DES-CBC. The last two algorithms are clearly deprecated. I would like to see AES in this list. RFC 3853 requires SIP support for AES.

- The validity period in fluffy's certificate has not begun yet.  
The certificate will not be valid until 12/04/2005 17:19:38 GMT.

This signature cannot be properly validated without the trust anchor for the certificate issuer (OU=Sipit Test Certificate Authority, O=sipit, L=San Jose, ST=California, C=US). The RSA public key is needed to validate the signature on the certificate.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
sipping mailing list <sipping@ietf.org>,  
sipping chair <gonzalo.camarillo@ericsson.com>,  
sipping chair <dean.willis@softarmor.com>,  
sipping chair <rohan@ekabal.com>  
Subject: Document Action: 'Session Initiation Protocol Torture Test  
Messages' to Informational RFC

The IESG has approved the following document:

- 'Session Initiation Protocol Torture Test Messages '  
<draft-ietf-sipping-torture-tests-07.txt> as an Informational RFC

This document is the product of the Session Initiation Proposal  
Investigation  
Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-sipping-torture-tests-07.txt>

Note to RFC Editor

(if any)

### 3.1.2 Returning Item

NONE

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item - 1 of 4

- o draft-hoehrmann-script-types-03.txt  
Scripting Media Types (Informational)  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-hoehrmann-script-types-03.txt to  
Informational RFC

-----

Evaluation for draft-hoehrmann-script-types-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7686&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7686&rfc_flag=0)

Last Call to expire on: 2005-04-12

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ X ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]

Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Discuss [2005-06-22]:

Minor DISCUSS from review by David Black:

(3) IANA seems to have figured out that the types to be registered are MIME media types but probably should be told how to indicate that the two text/ registrations are obsolete, or at least that it is important to mark these registrations as obsolete in the registry (unless the OBSOLETE intended usage field in the registration suffices, but marking the registry entry will be more effective).

Comment [2005-06-22]:

Two comments from review by David Black

(1) While I have no objection to this being an Informational RFC, its use of MUST/SHOULD/MAY to specify implementation requirements for scripting reads like a Standards Track RFC, and so I wonder why it's not intended to be a Proposed Standard RFC. I've cc:'d Scott Hollenbeck (responsible APP AD) on the theory that he knows something about this that I don't.

(2) I found one quibble in the Security Considerations section:

A host environment can provide facilities to access external input, scripts that pass such input to the eval() function can be vulnerable to code injection attacks; scripts must protect against such attacks.

Given that the script itself may be an external input, requiring the script to provide protection may put the fox in charge of guarding the henhouse (with apologies to Bjoern for my lack of knowledge the corresponding German idiom is for putting the thief in charge of guarding the jewels). There should be some mention of limiting the script's ability to access external input and/or execute it (e.g.,

limiting the script's access to a trusted environment or domain(s), or the domain from which the script was obtained, or even disabling eval() if the script accesses something that seems questionable if executed).

Ted Hardie:

Comment [2005-06-22]:

I decided not to block on this, since I think the document is largely documenting existing practice, but I am very concerned by this:

- o If the value of a charset parameter is illegal, implementations MAY recover from the error by ignoring the parameter or MAY consider the character encoding scheme unsupported.

First, I don't think two MAYs here really helps interoperability much. Second, ignoring an illegal charset parameter on a script seems like a pretty bad idea. You seem likely to get garbage, and it's not clear what the benefit of attempting to process the garbage would be.

Also, it seemed to me that the document did not quite give a default charset, since it wanted to leave the interpretation of an absent charset parameter up to local knowledge. That's too bad, as it really would help.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Scripting Media Types' to Informational RFC

The IESG has approved the following document:

- 'Scripting Media Types '  
<draft-hoehrmann-script-types-03.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-hoehrmann-script-types-03.txt>

#### Technical Summary

This document describes the registration of media types for the ECMAScript and JavaScript programming languages and conformance requirements for implementations of these types.. Four new media types are registered in the standards tree: text/javascript (obsolete), pplication/javascript, text/ecmascript (obsolete), and application/ecmascript.

#### Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it is has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

#### Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 2 of 4

- o draft-mccobb-xplusv-media-type-04.txt  
XHTML+Voice - application/xhtml-voice+xml (Informational)  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-mccobb-xplusv-media-type-04.txt to  
Informational RFC

-----

Evaluation for draft-mccobb-xplusv-media-type-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11684&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11684&rfc_flag=0)

Last Call to expire on: 2005-06-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ ]	[ ]	[ R ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are  
needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-22]:

Recused because this is an individual submission from an employee of my  
own  
employer. I have no technical comments.

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Document Action: 'XHTML+Voice - application/xhtml-voice+xml'  
to Informational RFC

The IESG has approved the following document:

- 'XHTML+Voice - application/xhtml-voice+xml '  
<draft-mccobb-xplusv-media-type-04.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-mccobb-xplusv-media-type-04.txt>

#### Technical Summary

This document describes the registration of the MIME sub-type application/xhtml-voice+xml. This sub-type is intended for use as a media descriptor for XHTML+Voice multimodal language documents. The XHTML+Voice 1.2 language specification is maintained by the VoiceXML Forum at <<http://www.voicexml.org/specs/multimodal/x+v/12/>>.

#### Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

#### Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG.

### 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.2.1 New Item - 3 of 4

o draft-froumentin-voice-mediatypes-02.txt

The W3C Speech Interface Framework Media Types: application/voicexml+xml, application/ssml+xml, application/srgs, application/srgs+xml, application/ccxml+xml and application/pls+xml (Informational)  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-froumentin-voice-mediatypes-02.txt to Informational RFC

-----

Evaluation for draft-froumentin-voice-mediatypes-02.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=13050&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13050&rfc_flag=0)

Last Call to expire on: 2005-06-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'The W3C Speech Interface Framework Media  
Types: application/voicexml+xml, application/ssml+xml,  
application/srgs, application/srgs+xml, application/ccxml+xml  
and  
application/pls+xml' to Informational RFC

The IESG has approved the following document:

- 'The W3C Speech Interface Framework Media Types: application/voicexml  
+xml,  
application/ssml+xml, application/srgs, application/srgs+xml,  
application/ccxml+xml and application/pls+xml '  
<draft-froumentin-voice-mediatypes-02.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-froumentin-voice-mediatypes-02.txt>

Technical Summary

This document defines the media types for the languages of the W3C Speech Interface Framework, as designed by the Voice Browser Working Group in the following specifications: the Voice Extensible Markup Language XML, the Speech Synthesis Markup Language (SSML), The Speech Recognition Grammar Specification (SRGS), Call Control XML (CCXML) and the Pronunciation Lexicon Specification (PLS).

## Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

## Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG. Implementations of these media types are described in the registration templates.

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.2.1 New Item - 4 of 4

- o draft-hoffman-hash-attacks-04.txt  
Attacks on Cryptographic Hashes in Internet Protocols  
(Informational)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-hoffman-hash-attacks-04.txt to Informational RFC

-----

Evaluation for draft-hoffman-hash-attacks-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=13032&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13032&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-22]:

This review from Lakshminath Dondeti is quite critical but I don't want to block the document. Specifically, I don't think this is the right place to tackle the MD5 issue - that is something we want to do, but independently.

-----

Review recommendation: This draft needs another revision before publication.

First, let me note that both Paul H., and Bruce S., know this stuff much better than I do (and I read Bruce Schneier's cryptogram regularly).

The first part of this draft is very well written and I am happy to see that considering this might be read by folks who are not active in the security area.

However, I find it incomplete in other respects, again considering that same

audience. Furthermore, there is some information that I expected to see there, and would like to run that by for the authors' and the AD's consideration.

1. Generating meaningful MD5 collisions is not all that difficult. I think this I-D/RFC should be used to drill into the IETF community that we should stop using MD5 as soon as practically possible. M. Daum and S. Lucks have generated (<http://th.informatik.uni-mannheim.de/people/lucks/HashCollisions/>) two meaningful postscript documents that have the same MD5 hash. I think their work makes a compelling case to that effect.

Their example also better illustrates the points being made toward the end of Section 4.

2. In Section 4, I don't quite understand the concept of "automated non-repudiation." I was wondering whether the intent is to say that "Hash collisions are much more effective on the message authentication property of signatures." In other words, the party signing might know the intent, but an independent party, with the signing party not present, has no option but to accept the signature and the data that is claimed to be "signed" as long as the hash of the supplied data can be verified with the signature (unless of course the verifying party declares that it won't accept, say, signed MD5 hashes :-)).

3. Section 5 is somewhat hard to read/parse.

More importantly, I was hoping to see more information on adding random information to hashes before they are signed.

At the risk of being incorrect or saying things the wrong way, and while reassuring everyone that I am not a cryptographer ...

I was told that random information is added -- or more correctly appended -- to

a hash as in PSS encoding is not all that useful in the face of collision attacks on the hash function being used. A more appropriate way would be to prepend the random information or add the random information to every block as Hugo K., et. al., randomized hashing I-D suggests, or intersperse the random information.

I would like to see this I-D generally discuss how the random information might be added to the "hash plus sign" process to be effective.

4. Section 6 might be updated to say that people should stop specifying MD5, and where practical stop using MD5 (HMAC-MD5, OTOH, Hugo tells us, is ok).

Further, Section 6 might talk about possibly three things we could do:

- a) continue to use SHA-1, keeping the reduced strength in mind.
- b) for signatures, consider using new randomness encoding methods (e.g., Randomized hashing)
- c) start planning to use SHA-256 or other hash functions.

5. (with apologies for going back in text) I was wondering if the last item in the list in Section 3 belongs with the first two items in being affected by collisions. Isn't that a reference to MD5 values of files made available for sanity checking ftp downloads? Since no keys are involved in that process, wouldn't an attack similar to that described by Daum and Lucks be possible? If so, the text immediately following the list should be revised to reflect that.

6. In Security considerations, I would like to see a summary of recommendations, and also caveats in mitigating hash attacks (e.g., summarize how to and how not to add random information before signing). A summary of the ongoing debate in the Hash BoF list might also be worthwhile, in that, each of

the recommendations, e.g., a, b, and c above have some risks associated with them. (there are people who doubt the effectiveness of randomized hashing and others who are not quite sure about SHA-256 -- I think because that hash family hasn't quite received the analysis/attention that SHA-0 and SHA-1 family did).

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Attacks on Cryptographic Hashes in Internet  
Protocols' to Informational RFC

The IESG has approved the following document:

- 'Attacks on Cryptographic Hashes in Internet Protocols '  
<draft-hoffman-hash-attacks-04.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-hoffman-hash-attacks-04.txt>

## Technical Summary

Recent announcements of better-than-expected collision attacks in popular one-way hash algorithms have caused some people to question whether common Internet protocols need to be changed, and if so, how. This document summarizes the use of hash algorithms in many protocols, discusses how the collision attacks affect and do not affect the protocols, shows how to thwart known attacks on digital certificates, and discusses future directions for protocol designers.

## Working Group Summary

This document was not generated by any IETF Working Group.

## Protocol Quality

This document was reviewed by Russ Housley for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"

##### 3.2.2 Returning Item - 1 of 2

###### o Three-document ballot:

- draft-katz-submitter-01.txt

SMTP Service Extension for Indicating the Responsible Submitter of an

E-mail Message (Experimental)

Note: Please check update ballot write-up

- draft-lyon-senderid-core-01.txt

Sender ID: Authenticating E-Mail (Experimental)

Note: Sent to dea-dir

- draft-lyon-senderid-pra-01.txt

Purported Responsible Address in E-Mail Messages (Experimental)

Note: Sent to dea-dir

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-katz-submitter-01.txt to Experimental RFC,  
draft-lyon-senderid-core-01.txt to Experimental RFC,  
draft-lyon-senderid-pra-01.txt to Experimental RFC

-----

Evaluation for draft-katz-submitter-01.txt, draft-lyon-senderid-core-01.txt,

draft-lyon-senderid-pra-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12540&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12540&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ . ]	[ X ]
Scott Hollenbeck	[ ]	[ ]	[ . ]	[ X ]
Russ Housley	[ ]	[ X ]	[ . ]	[ ]
David Kessens	[ ]	[ ]	[ . ]	[ X ]
Allison Mankin	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

Harald Alvestrand [ ] [ X ] [ ] [ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-20]:

I have followed Harald's lead = no objection

Sam Hartman:

Comment [2005-05-25]:

I cannot support publication of this ballot because I believe that the conflicting use of the spf1 records between this proposal and the SPF proposal is harmful to the Internet. Particularly given that there was marid wg consensus on this point I'm unwilling to block publication over this issue although I understand others may.

Scott Hollenbeck:

Comment [2005-06-15]:

(Moving my discuss to a comment to maintain a record of it.)

The Sender ID specifications currently reference draft-lentczner-spf-00. That draft has been superceded by draft-schlitt-spf-classic-00. There are some significant differences between the two SPF drafts that might require mods to the Sender ID drafts to preserve older functionality:

1. When the domain name is malformed or when the DNS query returns "non-existent domain", the Schlitt draft now requires receivers to perform a second DNS query at the "zone cut" in order to find an SPF record. When doing the PRA check, the Sender ID drafts specify an immediate "fail." The second DNS query is not needed and can be addressed via an amendment to draft-lyon-senderid-core-00 in order to preserve the currently specified behavior.

2. The Schlitt draft makes a second DNS query at the zone cut mandatory whenever an SPF record for the domain is not found on the first DNS query. The reliability and/or utility of such a check is debatable. In the case of the PRA check, it would appear to require additional DNS queries in very many cases for questionable benefit. draft-lyon-senderid-core-00 could be amended to state that a second query at the zone cut is OPTIONAL when performing a PRA check.

References etc. will need to be cleaned up as well.

Russ Housley:

Comment [2005-06-20]:

draft-lyon-senderid-core-00 sepcifies SPF version 2. The title should reflect this fact.

Does draft-lyon-senderid-core-00 obsolete the SPF version 1 document?

Allison Mankin:

Comment [2005-02-03]:

It seems like a good idea to for this work to have documents for experimental deployment.

Is it worth adding references to some documents about remedies in the Security Considerations of senderid-core (specifically to how TCPs decrease risks of blind insert attacks and to the ingress filtering RFC, and to the DNSSEC spec)?

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'SMTP Service Extension for Indicating the Responsible Submitter of an E-mail Message' to Experimental RFC

The IESG has approved the following document:

- 'SMTP Service Extension for Indicating the Responsible Submitter of an E-mail

Message '

<draft-katz-submitter-00.txt> as an Experimental RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

Please see the IESG note.

Working Group Summary

This was originally part of the work of MARID, which was unable to come to consensus on the appropriate set of scopes and facilities for DNS-based email authentication. Because of that lack of consensus, this work is targeted at Experimental, rather than standards track status. It is hoped that additional deployment will help demonstrate which among the proposed scopes and facilities is useful, and that those can later proceed to standards track status.

### Protocol Quality

This document was reviewed for the IESG by Ted Hardie and by the DEA Directorate for the Applications Area Directors.

### RFC Editor Note

Please substitute RFC numbers for the draft document names in the IESG Note.

### IESG Note

"The following documents (draft-schlitt-spf-classic, draft-katz-submitter, draft-lyon-senderid-core, draft-lyon-senderid-pra) are published simultaneously as Experimental RFCs, although there is no general technical consensus and efforts to reconcile the two approaches have failed. As such these documents have not received full IETF review and are published "AS-IS" to document the different approaches as they were considered in the MARID working group.

The IESG takes no position about which approach is to be preferred and cautions the reader that there are serious open issues for each approach and concerns about using them in tandem. The IESG believes that documenting the different approaches does less harm than not documenting them.

The community is invited to observe the success or failure of the two approaches during the two years following publication, in order that a community consensus can be reached in the future."

### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.2.2 Returning Item - 2 of 2

o draft-schlitt-spf-classic-02.txt  
Sender Policy Framework (SPF) for Authorizing Use of Domains in E-MAIL,  
version 1 (Experimental)  
Note: Please check updated ballot  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-schlitt-spf-classic-02.txt to Experimental RFC  
-----

Evaluation for draft-schlitt-spf-classic-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12662&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12662&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ X ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ . ]	[ ]

David Kessens	[ ]	[ ]	[ ]	[ X ]
Allison Mankin	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ X ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-26]:

I have followed Harald's lead = no objection

Ted Hardie:

Discuss [2005-05-26]:

Further discussion on the intended status and relationship to MARID working group needed.

David Kessens:

Comment [2005-02-03]:

I believe that this solution abuses the DNS.

The DNS was designed as a simple name to address mapping. The DNS is not a very good general purpose database and this solution uses it as such.

I would have much preferred a solution that would be an extension to SMTP

that simply checks back with one of the official MTA machines as listed in the

'mx' records for the domain whether the sending machine can be accepted, or just one simple DNS record with the name of the machine which is capable

of doing the verification. The

resulting protocol would be much simpler as all the configuration of the

MTA doesn't need standarization as this information would not need to be published since it is not needed by any other than the 'mx' domain.

From an operational perspective, the DNS solution also has issues since the DNS administrator is not necessarily the same as the mail administrator.

However, the document states:

"The goal of this document is to clearly document the protocol defined by earlier drafts specifications of SPF as used in existing implementations."

As such, I believe that is better to have the mechanism documented.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Sender Policy Framework: Authorizing Use of  
Domains in E-MAIL' to Experimental RFC

The IESG has approved the following document:

- 'Sender Policy Framework: Authorizing Use of Domains in E-MAIL '  
<draft-schlitt-spf-classic-00.txt> as an Experimental RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

Please see the IESG note.

Working Group Summary

This was originally part of the work of MARID, which was unable to come to consensus on the appropriate set of scopes and facilities for DNS-based

email authentication. Because of that lack of consensus, this work is targeted at Experimental, rather than standards track status. It is hoped that additional deployment will help demonstrate which among the proposed scopes and facilities is useful, and that those can later proceed to standards track status.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie and by the DEA Directorate for the Applications Area Directors.

## RFC Editor Note

Please update the IESG Note with the RFC Numbers when available.

## IESG Note

"The following documents (draft-schlitt-spf-classic, draft-katz-submitter, draft-lyon-senderid-core, draft-lyon-senderid-pra) are published simultaneously as Experimental RFCs, although there is no general technical consensus and efforts to reconcile the two approaches have failed. As such these documents have not received full IETF review and are published "AS-IS" to document the different approaches as they were considered in the MARID working group.

The IESG takes no position about which approach is to be preferred and cautions the reader that there are serious open issues for each approach and concerns about using them in tandem. The IESG believes that documenting the different approaches does less harm than not documenting them.

The community is invited to observe the success or failure of the two approaches during the two years following publication, in order that a community consensus can be reached in the future."

## IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.3 Individual Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

Other matters may be recorded in comments to be passed on to the RFC Editor as community review of the document.

##### 3.3.1 New Item - 1 of 1

- o draft-kompella-ccc-02.txt  
Circuit Cross-Connect (Informational)  
Token: Mark Townsley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-kompella-ccc-02.txt to Informational RFC

-----

Evaluation for draft-kompella-ccc-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12805&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12805&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Brian Carpenter	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Mark Townsley	[ X ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-06-22]:

For the record, some typos detected during Gen-ART review by Michael Patton:

Section 3. "a AC" => "an AC"

Section 4.1: "just as in in CCC" => "just as in CCC"

Section 4.1: "could be be obtained" => "could be obtained"

^L

----- following is a DRAFT of message to be sent AFTER approval ---

Proposed Recommendation to the RFC Editor, from RFC 3932:

3. The IESG thinks that publication is harmful to the IETF work done in the PWE3 WG and recommends not publishing the document at this time.

The case here is similar to that described in section 5 of RFC3932, "Rejected"

Alternative Bypass."

Note: During the formation of the PWE3 WG, the IESG acted in a similar manner regarding the "draft-martini" series of documents. It was agreed at that time that this series of documents would not be published until after PWE3 finished its work. draft-kompella-ccc-02.txt is a vendor-specific predecessor to the draft-martini series and should be treated in the same manner with respect to the chartered IETF effort in PWE3.

### 3.3.2 Returning Item

NONE

## 3. Document Actions

### 3.3 Individual Submissions Via RFC Editor

#### 3.3.3 For Action - 1 of 1

- o draft-klensin-reg-guidelines-08.txt

Suggested Practices for Registration of Internationalized Domain Names

(IDN) (Informational)

Token: Margaret Wasserman

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Manet Autoconfiguration (autoconf) - 1 of 2

Token: Margaret Wasserman

Manet Autoconfiguration (autoconf)

-----

Last Modified: 2005-06-09

Current Status: Proposed Working Group

Chairs:

Shubhranshu Singh <shubranshu@gmail.com>

Thomas Heide clausen <Thomas.Clausen@polytechnique.fr>

Internet Area Director(s):

Mark Townsley <townsley@cisco.com>

Margaret Wasserman <margaret@thingmagic.com>

Internet Area Advisor:

Margaret Wasserman <margaret@thingmagic.com>

Mailing Lists:

General Discussion: manetautoconf@ml.free.fr

To Subscribe: manetautoconf-request@ml.free.fr

Archive: TBD

Description of Working Group:

In order to communicate among themselves and/or with devices on the Internet, ad hoc nodes (refer to RFC 2501) may need to configure their interface(s) with MANET-local addresses that are valid only within an ad hoc network. They may also configure their interfaces with topologically correct global addresses.

Ad hoc networks present several new challenges. Unlike in traditional IP networks, each ad hoc node, besides being a traffic end-point, should be capable of forwarding traffic destined for other hosts. Additionally, nodes constituting an ad-hoc network do not share access to a single multicast-capable link for signaling. Many protocol specifications used in traditional IP networks e.g. RFCs 2462, 2463 etc. do, however, assume that subnet-local signals (e.g. link-local multicast signal) are received by each of the hosts on the particular subnet without being forwarded by the routers defining the subnet boundary.

The main purpose of the AUTOCONF WG is to standardize mechanisms to be used by ad hoc nodes for configuring unique MANET-local and/or topologically correct unique global IPv6 and/or IPv4 address. The ad hoc nodes under consideration are expected to support multi-hop communication by running MANET routing protocol, e.g. those developed by the IETF MANET WG. However, this may or may not mean that an AUTOCONF mechanism will be dependent on any specific MANET routing protocol. With this in mind, the goals of AUTOCONF WG are to:

- Produce a "terminology and problem statement" document, defining the problem statement and goals for AUTOCONF.
- Develop a stateless autoconfiguration mechanism to be used by ad hoc nodes for configuring unique MANET-local addresses as well as, in cases where Internet connectivity exists, topologically correct unique global addresses
- Develop a stateful address autoconfiguration mechanism to be used by ad hoc nodes for configuring unique global addresses, if an address-providing entity such as DHCPv6 and/or DHCPv4 server is available.
- Develop a mechanism to promote configured address uniqueness in the situation where different ad hoc networks merge.

Issues and requirements related to prefix and/or address providing entities, such as an Internet gateway, will be addressed within the group to the extent that they are directly related to the AUTOCONF mechanisms. Security concerns related to AUTOCONF mechanisms will also be discussed within the group.

The working group will reuse existing specifications whenever reasonable and possible.

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Calendaring and Scheduling Standards Simplification (calsify) - 2 of 2

Token: Ted Hardie

Calendaring and Scheduling Standards Simplification (calsify)

-----

Last Modified: 2005-6-16

Current Status: Proposed Working Group

Chair(s):  
TBD

Applications Area Director(s):

Ted Hardie <hardie@qualcomm.com>  
Scott Hollenbeck <sah@428cobrajet.net>

#### Mailing Lists:

General Discussion: [ietf-calsify@osafoundation.org](mailto:ietf-calsify@osafoundation.org)  
To Subscribe: <http://lists.osafoundation.org/mailman/listinfo/ietf-calsify>  
Archive: <http://lists.osafoundation.org/pipermail/ietf-calsify/>

#### Description of Working Group:

The Calendaring and Scheduling standards, defined in RFC's 2445, 2446, and 2447 were released in November 1998, and further described in RFC 3283. They were designed to progress the level of interoperability between dissimilar calendaring and scheduling systems. The Calendaring and Scheduling Core Object Specification, iCalendar, succeeded in establishing itself as the common format for exchanging calendaring information across the Internet. On the other hand, only basic interoperability has been achieved between different scheduling systems.

The Calsify working group is chartered to:

- (1) Publish the interoperability issues that have arisen between calendaring and scheduling systems, as well as document the usage of iCalendar by other specifications.
- (2) Revise the Calendaring and Scheduling standards to advance the state of interoperable calendaring and scheduling by addressing the published interoperability issues. As far as it is possible, the working group will ensure backwards compatibility with widely deployed implementations and other specifications that use it.
- (3) Clarify the registration process for iCalendar extensions (i.e., the current core object specification only provides a template to register new properties).
- (4) Advance the Calendaring and Scheduling standards to Draft Standard.
- (5) Work on transition (upgrade or versioning) mechanisms for calendar data exchange.

Proposing an XML representation or transformation of iCalendar objects is out of the scope of this working group.

#### Goals and Milestones:

Jul 05 - Submit draft documenting interoperability issues for use in progressing RFCs to Draft Standard.  
Sep 05 - Submit iCalendar bis draft 00, with formatting changes from RFC2445.  
Sep 05 - Submit iTIP bis draft 00  
Sep 05 - Submit iMIP bis draft 00  
Oct 05 - Submit revised interoperability issues draft version based on WG discussion.  
Dec 05 - WG decision on what document(s) require transition mechanisms and hopefully rough idea what these will look like (and add new goals if needed)  
Mar 06 - WG last call on interoperability issues draft.  
May 06 - Submit interoperability issues document to IESG for Informational RFC.  
May 06 - Submit version of iCalendar bis draft that addresses known interoperability issues from interop events.  
Jun 06 - Submit versions of iTIP and iMIP that address known interoperability issues.  
Jul 06 - Submit version of iCalendar draft that addresses WG open discussions.  
Sep 06 - Submit version of iCalendar draft ready for WG last call.  
Nov 06 - Complete WG last call of iCalendar and submit new draft.  
Nov 06 - Submit versions of iTIP and iMIP ready for last call.  
Jan 07 - Submit iCalendar (bis) to IESG for Draft Standard.  
Jan 07 - Complete WG last call of iTIP  
Feb 07 - Complete WG last call of iMIP  
Mar 07 - Submit iTIP to IESG for Draft Standard.  
Apr 07 - Submit iMIP to IESG for Draft Standard.

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Layer 1 Virtual Private Networks (l1vpn) - 1 of 3  
Token: Alex Zinin

Layer 1 Virtual Private Networks (l1vpn)

=====

Last Modified: 2005-06-09

Current Status: Proposed Working Group

Chair(s):

Adrian Farrel <adrian@olddog.co.uk>

Hamid Ould-Brahim <hbrahim@nortel.com>

Tomonori TAKEDA <takeda.tomonori@lab.ntt.co.jp>

Routing Area Director(s):

Bill Fenner <fenner@research.att.com>

Alex Zinin <zinin@psg.com>

Routing Area Advisor:

Alex Zinin <zinin@psg.com>

Technical Advisor(s):

TBD

Mailing Lists:

General Discussion: [llvpn@ietf.org](mailto:llvpn@ietf.org)

To Subscribe: <https://www1.ietf.org/mailman/listinfo/llvpn>

Archive: <http://www.ietf.org/mail-archive/web/llvpn/index.html>

Description of Working Group:

The L1VPN Working Group's task is to specify mechanisms necessary for providing layer-1 VPN services (establishment of layer-1 connections between CE devices) over a GMPLS-enabled transport service-provider network.

The following two service models will be addressed:

1. Basic mode: the CE-PE interface's functional repertoire is limited to path setup signalling only. Provider's network is not involved in distribution of customer network's routing information.

2. Enhanced mode: the CE-PE interface provides the signaling capabilities

as in the Basic mode, plus permits limited exchange of information between the control planes of the provider and the customer to help such functions as discovery of reachability information in remote sites, or parameters of the part of the provider's network dedicated to the customer.

The WG will work on the following items:

1. Framework document defining the reference network model, L1VPN service model, fundamental assumptions, and terminology.
2. Specification of the L1VPN signaling functionality between the customer and the provider network to support the basic mode.
3. Specification of the L1VPN signaling and routing functionality within the provider network to support the basic mode.
4. OAM features and MIB modules and/or extensions required for the basic mode.
5. Specification of the L1VPN signaling and routing functionality between the customer and the provider network to support the extended mode.
6. Specification of the L1VPN signaling and routing functionality within the provider network to support the extended mode.
7. OAM features and MIB modules and/or extensions required for the extended mode.
8. Applicability guidelines to compare the basic and extended modes.

At this point the WG will address the single-AS scenario only. The multi-AS/provider scenario may be considered in future.

Protocol extensions required for L1VPN will be done in cooperation with MPLS, CCAMP, OSPF, IS-IS, IDR, L3VPN, and other WGs where necessary.

L1VPN WG shall also cooperate with ITU-T SG13 through the established IETF process, and use documents Y.1312 and Y.1313 (describing L1VPN requirements and network architectures) as input to its design process. The documents will be available at the IETF liaison web-site.

Milestones:

Sep 05 Submit first Internet Draft of L1VPN framework

Sep 05 Submit first Internet Drafts of basic mode specifications

Dec 05 Submit first Internet Drafts of MIB modules for basic mode

Apr 06 Submit basic mode specifications to IESG for publication as Proposed Standard

Jun 06 Submit first Internet Drafts of enhanced mode specifications

Aug 06 Submit MIB modules for basic mode to IESG for publication as Proposed Standard

Dec 06 Submit enhanced mode specifications to IESG for publication as Proposed Standard

Dec 06 Submit L1VPN framework to IESG for publication as Informational RFC

Aug 07 Submit MIB modules for enhanced mode to IESG for publication as Proposed Standard

Dec 07 Recharter or disband

Related Documents:

draft-takeda-l1vpn-framework-03.txt  
draft-takeda-l1vpn-applicability-02.txt  
draft-ouldbrahim-ppvnpn-gvpn-bgp-gmpls-06.txt  
draft-ietf-ccamp-gmpls-overlay-05.txt

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Transparent Interconnection of Lots of Links (trill) - 2 of 3  
Token: Margaret Wasserman

Transparent Interconnection of Lots of Links (trill)

=====

Last Modified: 2005-6-15

Current Status: Proposed Working Group

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To Subscribe: <http://www.postel.org/mailman/listinfo/rbridge>

Archive: <http://www.postel.org/pipermail/rbridge>

Description of Working Group:

The TRILL WG will design a solution for shortest-path frame routing in multi-hop IEEE 802.1 Ethernet networks with arbitrary topologies, using the link-state routing protocol technology.

This work will initially be based on draft-perlman-rbridge-03.txt.

The design should have the following properties:

- Minimal or no configuration required
- Load-splitting among multiple paths
- Routing loop mitigation (possibly through a TTL field)
- Support of multiple points of attachment
- Support for broadcast and multicast
- No significant service delay after attachment
- No less secure than existing bridged solutions

Any changes introduced to the Ethernet service model should be analyzed and clearly documented. To ensure compatibility with IEEE VLANs and the Ethernet service model, the WG will request an IEEE liaison relationship with IEEE 802.1.

It is not an explicit requirement that the solution should be able to run on existing IP routers or IEEE 802 switches as a software upgrade. However, the working group should take deployment considerations into account, to ensure that the solution can interwork with bridges in a flexible manner (e.g., to allow incremental deployment into LANs that currently use 802.1D bridges).

The TRILL working will work with the L2VPN WG and IEEE 802.1 to develop interworking between TRILL and 802.1D bridges at the edge, such that a bridged sub-cloud could be attached to TRILL devices in more than

one place for redundancy.

The solution must not interfere with the end-to-end transparency of the Internet architecture or with end-to-end congestion control and QOS mechanisms.

The WG will work on the following items:

(1) Develop a problem statement and architecture document that describes the high-level TRILL architecture, discusses the scalability of that architecture, describe the threat model and security impacts of the TRILL solution, and describes the expected impacts (if any) of the TRILL solution on the Ethernet service model.

(2) Define the requirements for a TRILL-capable routing protocol, and select one or more existing routing protocols that could meet those requirements.

(3) Work with the appropriate Routing area working group to extend an existing routing protocol to meet the TRILL working group requirements.

Note: The TRILL working group is not chartered to develop a new routing protocol or to make substantial modifications to an existing routing protocol. If, during the requirements definition and selection phase, the TRILL working group discovers that no existing routing protocol will meet their needs, we will need to re-assess the TRILL WG charter to determine how/if this work should proceed.

(4) Produce a (set of) TRILL specification(s) for standards track publication that defines what information must be carried in an encapsulation header for data packets, and determine how to map that information to various link types (only IEEE 802 links initially)

The TRILL working group is chartered to undertake all of the above tasks and may begin work on more than one of these tasks in parallel. However, the problem statement and architecture document should be completed before the details of the base protocol are finalized, while there is still time to consider changes to the architecture without major impacts on established specifications.

Goals and Milestones:

Aug 05 Accept Problem statement and architecture document as a WG work item  
Aug 05 Accept base protocol specification as a WG document  
Oct 05 Accept routing protocol requirements as a WG work item  
Dec 05 Submit problem statement and architecture document to the IESG for publication as an Informational RFC  
Mar 06 Submit routing protocol requirements to the IESG for publication as an Informational RFC  
Mar 06 Choose routing protocol(s) that can meet the requirements.  
Apr 06 Start work with routing area WG(s) to undertake TRILL extensions.  
Sep 06 Base protocol specification submitted to the IESG for publication as a Proposed Standard RFC  
Dec 06 Re-charter or shut down the WG

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Site Multihoming by IPv6 Intermediation (shim6) - 3 of 3  
Token: Margaret Wasserman

#### Site Multihoming by IPv6 Intermediation (shim6)

=====

Last Modified: 2005-6-15

Current Status: Proposed Working Group

#### WG Chair(s):

Kurtis Lindqvist

Geoff Huston

#### Technical Advisor(s):

Thomas Narten

(Still under discussion)

Mailing List: shim6@psg.com

To Subscribe: shim6-request@psg.com

Archive: ??

#### Description:

For the purposes of redundancy, load sharing, operational policy or cost, a site may be multi-homed, with the site's network having connections to multiple IP service providers. The current Internet routing

infrastructure

permits multi-homing using provider independent addressing, and adapts to

changes in the availability of these connections. However if the site uses

multiple provider-assigned address prefixes for every host within the site,

host application associations cannot use alternate paths, such as for surviving the changes or for creating new associations, when one or more of

the site's address prefixes becomes unreachable. This working group will produce specifications for an IPv6-based site multi-homing solution that inserts a new sub-layer (shim) into the IP stack of end-system hosts. It will enable hosts on multi-homed sites to use a set of provider-assigned IP

address prefixes and switch between them without upsetting transport protocols or applications.

The work will be based on the architecture developed by the IETF multi6 working group. The shim6 working group is to complete the required protocol

developments and the architecture and security analysis of the required protocols.

Requirements for the solution are:

- o The approach must handle re-homing both existing communication and being able to establish new communication when one or more of the addresses is unreachable.

- o IPv6 NAT devices are assumed not to exist, or not to present an obstacle about which the shim6 solution needs to be concerned.

- o Only IPv6 is considered.

- o Changes in the addresses that are used below the shim will be invisible to the upper layers, which will see a fixed address (termed Upper Layer Identifier or ULID).

- o ULIDs will be actual IP addresses, permitting existing applications to continue to work unchanged, and permitting application referrals to work, as long as the IP Addresses are available.

- o The solution should assume ingress filtering may be applied at network boundaries.

- o The solution must allow the global routing system to scale even if there is a very large number of multi-homed sites. This implies that re-homing not be visible to the routing system.
- o Compatibility will remain for existing mobility mechanisms. It will be possible to use Mobile IPv6 on a node that also supports Shim6. However, any optimizations or advanced configurations are out of scope for shim6.
- o The approach is to provide an optimized way to handle a static set of addresses, while also providing a way to securely handle dynamic changes in the set of addresses. The dynamic changes might be useful for future combinations of multi-homing and IP mobility, but the working group will not take on such mobility capabilities directly.
- o The specifications must specifically refer to all applicable threats and describe how they are handled, with the requirement being that the resulting solution not introduce any threats that make the security any less than in today's Internet.

The background documents to be considered by the WG include:

RFC 3582  
 draft-ietf-multi6-architecture-04.txt  
 draft-ietf-multi6-things-to-think-about-01.txt  
 draft-ietf-multi6-multihoming-threats-03.txt

The input documents that the WG will use as the basis for its design are:

draft-huston-l3shim-arch-00.txt  
 draft-ietf-multi6-functional-dec-00.txt  
 draft-ietf-multi6-l3shim-00.txt  
 draft-ietf-multi6-failure-detection-00.txt  
 draft-ietf-multi6-hba-00.txt  
 draft-ietf-multi6-app-refer-00.txt

In addition to the network layer shim solution, the shim6 WG is specifically chartered to work on:

- o Solutions for site exit router selection that work when each ISP uses ingress filtering, i.e. when the chosen site exit needs to be related to the source address chosen by the host. This site

exit router selection and the associated address selection process should work whether or not the peer site supports the shim6 protocol.

- o Solutions to establish new communications after an outage has occurred that do not require shim support from the non-multihomed end of the communication. The Working Group will explore whether such solutions are also useful when both ends support the shim.
- o The possible impact of the use of multiple locators at both ends on congestion control, traffic engineering, and QoS will be analysed in conjunction with the Transport Area.
- o The relationships between Upper Layer Identifiers (ULIDs) and unique local addresses.
- o ICMP error demuxing for locator failure discovery.
- o If necessary, develop and specify formats and structure for:
  - Cryptographically protected locators
  - Carrying the flow label across the shim layer defined in the multi6 architecture.

The shim6 WG is to publish, as standards track RFC's, specifications with enough details to allow fully interoperable implementations.

#### Milestones

AUG 05 First draft of architectural document  
AUG 05 First draft of protocol document  
AUG 05 First draft on cryptographic locators, if required  
AUG 05 First draft on multi-homing triggers description  
AUG 05 First draft on applicability statement document  
OCT 05 WG last-call on architectural document  
OCT 05 WG last-call on applicability statement document  
FEB 06 WG last-call on protocol document  
FEB 06 WG last-call on cryptographic locators, if required  
FEB 06 Submit completed architectural document to IESG  
FEB 06 Submit applicability statement document to IESG  
APR 06 WG last-call on multihoming triggers description  
APR 06 Submit document on cryptographic locators to the IESG, if required

APR 06 Submit protocol document to the IESG

JUN 06 Submit draft on multihoming triggers description to the IESG

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

###### o Audio/Video Transport (avt) - 1 of 1

Token: Allison Mankin

#### Audio/Video Transport (avt)

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Last Modified: 2005-6-20

Current Status: Active Working Group

#### Chair(s):

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#### Transport Area Director(s):

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General Discussion: avt@ietf.org

To Subscribe: <https://www1.ietf.org/mailman/listinfo/avt>

Archive: <http://www.ietf.org/mail-archive/web/avt/index.html>

#### Description:

The Audio/Video Transport Working Group was formed to specify a protocol for real-time transmission of audio and video over unicast and multicast UDP/IP. This is the Real-time Transport Protocol, RTP, together with its associated profiles and payload formats. The current aims of the working group are:

- - to review and revise existing payload formats to advance those which are useful to Draft Standard, and to declare others as Historic. Milestones will be established as a champion for each payload format is identified.

- - to develop payload formats for new media codecs, and to document best-current practices in payload format design. The group continues to be precluded from work on codecs themselves because of overlap with the other standards bodies, and because the IETF does not have the ability to effectively review new codecs. An exception was made for the freeware iLBC codec on a highly experimental basis, but acceptance of new codec work is unexpected and subject to rechartering.
- - to complete the forward error correction work to update RFC 2733 in the form of the ULP payload format
- - to investigate and if suitable develop a framework for advanced FEC codes and their usage for RTP, possibly with alignment to the RMT WG's FEC building block.
- - to extend RTP to work with Source-Specific Multicast sessions with unicast feedback
- - to provide a framing mechanism for RTP over TCP and TLS
- - in collaboration with the MPLS and ROHC WGs, to develop a solution for header compression of RTP across MPLS networks that avoid decompression and compression at each MPLS node.
- - to develop a new RTP profile as the combination of the SRTP profile and the Extended RTP Profile for RTCP-based Feedback (RTP/SAVPF)
- - to develop a new RTP profile for usage of TFRC (RFC 3448) with RTP over UDP to allow application developers to gain experience with TCP friendly congestion control.
- - to develop a MIB for RTCP XR (RFC 3611).
- - to update the RTP MIB, including aligning it with RFC 3550.

The longer term goals of the working group are to advance the SRTP Profile, the Extended RTP Profile for RTCP-based Feedback, the Compressed RTP framework, and the RTP MIB to Draft Standard.

The group has no plans to develop new RTP profiles beyond those listed above, but will consider rechartering to produce profile level extensions if appropriate.

## Goals and Milestones:

Sep 05	Submit RTP/SAVPF profile for Proposed Standard
Sep 05	Submit RTCP/SSM draft for Proposed Standard
Nov 05	Submit ULP Payload Format for Proposed Standard
Nov 05	Submit Framing of RTP for TLS for Proposed Standard
Nov 05	Submit update of RTP MIB for Proposed or Draft Standard
Nov 05	Submit RTCP XR MIB for Proposed Standard
Nov 05	Submit RTP Profile for TFRC for Proposed Standard
Nov 05	Finished investigation of advanced FEC codes for RTP, update plan
Dec 05	Submit any extensions for RTP HC on MPLS networks for Proposed Standard
Mar 06	Submit SRTP for Draft Standard
Sep 06	Submit RTP/AVPF for Draft Standard

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.2 Proposed for Approval

- o Protocol for carrying Authentication for Network Access (pana) - 1 of 1

Token: Mark Townsley

Protocol for carrying Authentication for Network Access (pana)

=====

Last Modified: 2005-6-1

Current Status: Active Working Group

#### Chair(s):

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General Discussion: [pana@ietf.org](mailto:pana@ietf.org)

To Subscribe: <https://www1.ietf.org/mailman/listinfo/pana>

In Body: (un)subscribe

Archive: <http://www.ietf.org/mail-archive/web/pana/index.html>

#### Description of Working Group:

In some scenarios, an IP-based device is required to authenticate itself to the network prior to being authorized to use it. This authentication usually requires a protocol that can support various authentication methods, dynamic service provider selection, and roaming clients. In the absence of such an authentication protocol on most of the link-layers, architectures have resorted to filling the gap by using a number of inadequate methods. For example, inserting an additional layer between link-layer and network-layer mostly for client authentication purpose (e.g., PPPoE), overloading another network-layer protocol to achieve this goal (e.g., Mobile IPv4 with Registration-required flag), and even defining application-layer ad-hoc authentication mechanisms (e.g., http redirects with web-based login). In these and other cases, a network-layer authentication protocol may provide a cleaner solution to the authentication problem.

The goal of PANA is to define a protocol that allows clients to authenticate themselves to the access network using IP protocols. Such a protocol would allow a client to interact with a site's back-end AAA infrastructure to gain access without needing to understand the particular AAA infrastructure protocols that are in use at the site. It would also allow such interactions to take place without a link-layer specific mechanism. PANA would be applicable to both multi-access and point-to-point links. It would provide support for various authentication methods, dynamic service provider selection, and roaming clients.

Mobile IPv4 developed its own protocols for performing PANA-like functions (e.g., MN-FA interaction). Mobile IPv6 does not have the equivalent of a Foreign Agent (FA) that would allow the access/visited network to authenticate the MN before allowing access. The PANA authentication agent (PAA) can perform the authentication function attributed to the FA in Mobile IPv4, in Mobile IPv6 networks.

The WG will work with the assumption that a PANA client (PaC) is already configured with an IP address before using PANA. This IP address will provide limited reachability to the PaC until it is authenticated with the PAA. Upon successful authentication, PaC is granted broader network access possibly by either a new IP address assignment, or by enforcement points changing filtering rules for the

same IP address.

PANA will neither define any new authentication protocol nor define key distribution, key agreement or key derivation protocols. It is believed that PANA will be able to meet its goals if it is able to carry EAP payloads. Note, however, that EAP may need to be extended in order for PANA to meet the need for all of its intended usages. Such extensions are outside the scope of the PANA WG.

PANA will develop an IP-based protocol that allows a device to authenticate itself with the network (and to a PAA in particular) in order to be granted network access. The PAA itself may interface with other AAA backend infrastructures for authenticating and authorizing the service being requested by the host, but such interactions are transparent to the PaC.

Network access authentication enables the client to be authorized for packet data service. However it is possible that the underlying link itself is insecure, i.e the packets being sent to and received on the link between the client (PaC) and the 1st hop access router (EP) in the network are not protected by any physical or cryptographic means. In such cases, PANA will enable the establishment of an IPsec SA between the client and the 1st hop access router to secure the packets on the link. In networks that have physical security or ciphering as a link-layer feature, no such SA is required. Hence the establishment of the IPsec SA is optional. The WG will deliver a document that explains how such an IPsec SA is established by using IKE after successful PANA authentication. No enhancements to either IKE or IPsec are expected.

The PAA does not necessarily act as an enforcement point (EP) to prevent unauthorized access or usage of the network. When a PaC successfully authenticates itself to the PAA, EP(s) (e.g., access routers) will need to be suitably notified. SNMP will be used by the PAA to deliver the authorization information to one or more EPs when the PAA is separated from EPs. The WG will document the solution based on SNMP for carrying the authorization information between the PAA and the EP.

The WG will also propose a solution of how the PaC discovers the IP address of PAA for sending the authentication request.

The PANA WG will deliver

- A mechanism for the PAC to discover the PAA on the link.

- The PANA protocol itself, capable of carrying multiple authentication methods (e.g. using EAP)
- A document that describes how SNMP is used to deliver authorization information from the PAA to the EP in the scenarios where the PAA and EP are separated.
- A document that explains the establishment of an IPsec SA between the client and the 1st hop access router subsequent to authentication for securing the data packets on the link.

#### Goals and Milestones:

Done	Submit usage scenarios and applicability statement to the IESG
Done	Submit security threat analysis to the IESG
Done	Submit protocol requirements to the IESG
Aug 05	Submit PANA framework to the IESG
Aug 05	Submit PANA protocol specification to the IESG
Aug 05	Submit IPsec-based access control to the IESG
Aug 05	Submit SNMP-based PAA-to-EP protocol specification to the IESG
Dec 05	Submit MIB for PANA to the IESG

## 5. IAB News We Can Use

### 6. Management Issues

#### 6.1 Reopening jumbo ethernet frames in IS-IS (Bill Fenner)

Background: original spec

<http://electricrain.com/fenner/tmp/draft-ietf-isis-ext-eth-01.txt>

was said to have been canned due to concerns with IEEE.

My understanding was that the plan to move forward was to split it in two: one document saying "Here is how some people do extended ethernet frames" with appropriate caveats that it's not possible to know whether the environment you're in can do extended frames (rough draft: <http://electricrain.com/fenner/tmp/draft-ymbk-mtu-00.txt> ), and another saying "Here is how you would run IS-IS in such an environment."

This was in early 2002, but I think it never happened because one of the participants dropped out; tli says it never happened because Them Who Says Things said "no". I'd like to say "yes".

#### 6.2 The Reuse of SPF version 1 Records (Ted Hardie)

>To: iesg@ietf.org (Internet Engineering Steering Group)

>From: wayne <wayne@schlitt.net>

>Date: Fri, 17 Jun 2005 15:08:35 -0500  
>X-SA-Exim-Connect-IP: 67.52.51.37  
>X-SA-Exim-Rcpt-To: spf-council@moongroup.com, iesg@ietf.org  
>X-SA-Exim-Mail-From: wayne@schlitt.net  
>X-SA-Exim-Version: 4.2 (built Thu, 03 Mar 2005 10:44:12 +0100)  
>X-SA-Exim-Scanned: Yes (on backbone.schlitt.net)  
>X-Scan-Signature: 8fbbaa16f9fd29df280814cb95ae2290  
>Cc: SPF Council <spf-council@moongroup.com>  
>Subject: The reuse of SPF version 1 records  
>X-BeenThere: iesg@ietf.org  
>List-Id: iesg.ietf.org  
>List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
> <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
>List-Post: <<mailto:iesg@ietf.org>>  
>List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
>List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
> <<mailto:iesg-request@ietf.org?subject=subscribe>>  
>Sender: iesg-bounces@ietf.org  
>  
>Dear IESG:  
>  
>As part of the SPF leadership council meeting, Meng Weng Wong and I  
>talked about the incompatible re-use SPF version 1 records by the  
>draft-lyon-senderid-core I-D. The discussion lead to a lot of guesses  
>and assumptions about what the IESG wants, so instead of continuing to  
>guess, we decided that it would be best to just ask.  
>  
>  
>Meng is under the impression that the IESG wants to see the re-use of  
>SPF version 1 records by draft-lyon-senderid-core and that removing  
>the language from senderid-core would cause objections from the IESG.  
>(It might cause objections from Jim Lyon, but I won't ask you to  
>speculate on that subject.) Does the IESG have an position on the  
>re-use of SPFv1 records, and if so, is it something that the IESG  
>thinks is a good idea?  
>  
>Meng is also under the impression that, if the warning about the use  
>of SPF version 1 records by other identities not defined in the  
>spf-classic draft were removed, that the it would move forward much  
>quicker. Is this language in the spf-classic I-D a blocking point  
>with the IESG?  
>  
>Most of the rest of the SPF council are under the impression that the  
>IESG's position is different, but since we all freely admit that we  
>don't know, it would be very useful to use if IESG would clarify  
>things.

>  
>The SPF leadership council has, overall, consistently passed  
>resolutions saying that the re-use of SPF version 1 records by  
>identities that they were not designed for is bad engineering. There  
>may be some positive political ramifications of such re-use, but the  
>majority believe that the incorrect results by such re-use outweigh  
>any benefits.  
>  
>There certainly are cases where the re-use is acceptable and we  
>believe, as stated in the spf-classic I-D, that domain owners should  
>be able to make explicit statements that such re-use is OK.  
>  
>In the "confusion about spf-classic" message I sent to the IESG on May  
>22, and also during the MARID WG, there were several suggested methods  
>that could allow for domain owners to easily make the explicit  
>statement that the re-use is ok.  
>  
>One method would be to define a "redirect-spfv1=" modifier in  
>senderid-core that would be analogous to the current "redirect="   
>modifier, only it would use SPFv1 records instead of SPFv2 records.  
>  
>This would allow domain owners to publish to SPF records to cover both  
>the spf-classic and SPF version 2 identities. For example:  
>  
>example.com. TXT "v=spf1 mx -all"  
>example.com. TXT "spf2.0/pr4 ip4:1.2.3.4 redirect-spfv1=example.com"  
>  
>  
>Another method would be to add scoping to the "include:" mechanism and  
>the the "redirect=" modifier. For example:  
>  
>example.org. TXT "v=spf1 a ?all"  
>example.org. TXT "spf2.0/mfrom include:example.com/pr4"  
> " redirect=example.org/spfv1"  
>  
>  
>Both of these techniques would allow domain owners to use both SPF  
>version 1 and version 2 records without the current need to duplicate  
>information when the records do not exactly match. (The senderid-core  
>draft has no facilities to deal with this kind of scoping reference.)  
>  
>  
>I would also like to call attention again to RFC3932, "The IESG and  
>RFC Editor Documents: Procedures", section 5. The SPF leadership  
>council, as a whole, believes that the re-use of SPF version 1 records  
>by senderid-core is very similar to the situation in that section

>where a Do-Not-Publish-Now recommendation was given for the  
>conflicting document.  
>  
>Section 5 reads:  
>  
>  
>5. Examples of Cases Where Publication Is Harmful  
>  
> This section gives a couple of examples where delaying or preventing  
> publication of a document might be appropriate due to conflict with  
> IETF work. It forms part of the background material, not a part of  
> the procedure.  
>  
> Rejected Alternative Bypass: A WG is working on a solution to a  
> problem, and a participant decides to ask for publication of a  
> solution that the WG has rejected. Publication of the document will  
> give the publishing party an RFC number to refer to before the WG is  
> finished. It seems better to have the WG product published first,  
> and have the non-adopted document published later, with a clear  
> disclaimer note saying that "the IETF technology for this function is  
> X".  
>  
> Example: Photuris (RFC 2522), which was published after IKE (RFC  
> 2409).  
>  
> Inappropriate Reuse of "free" Bits: In 2003, a proposal for an  
> experimental RFC was published that wanted to reuse the high bits of  
> the "fragment offset" part of the IP header for another purpose. No  
> IANA consideration says how these bits can be repurposed, but the  
> standard defines a specific meaning for them. The IESG concluded  
> that implementations of this experiment risked causing hard-to-debug  
> interoperability problems and recommended not publishing the document  
> in the RFC series. The RFC Editor accepted the recommendation.  
>  
> Note: in general, the IESG has no problem with rejected alternatives  
> being made available to the community; such publications can be a  
> valuable contribution to the technical literature. However, it is  
> necessary to avoid confusion with the alternatives the working group  
> did adopt.  
>  
> The RFC series is one of many available publication channels; this  
> document takes no position on the question of which documents the RFC  
> series is appropriate for. That is a matter for discussion in the  
> IETF community.  
>  
>Thank you again for your time and consideration.

>  
>-wayne

6.3 IPv4 Multicast Address Architecture BoF (David Kessens)  
----- Forwarded message from David Meyer <dmm@1-4-5.net> -----

Date: Mon, 13 Jun 2005 09:30:52 -0700  
From: David Meyer <dmm@1-4-5.net>  
To: David Kessens <david.kessens@nokia.com>  
Cc: bwijnen@lucent.com  
Subject: Try this (IMMAD BoF)

a. Working Group or BOF full name with acronym in brackets:

IPv4 Multicast Address Architecture BoF (IMMAD)

b. AREA under which Working Group or BOF appears:

Operations and Management

c. CONFLICTS you wish to avoid, please be as specific as possible:

GROW, MBONED, DNSOP, IPv6, SHIM6, ISIS, IDR, PWE3, MPLS

d. Expected Attendance

Guess: 100

e. Special requests:

None

f. Number of slots:

One

g. Length of slot:

- 2 1/2 hours

Chair(s): David Meyer (dmm@1-4-5.net)  
TBD

DESCRIPTION

First, this BoF is not necessarily intended to result in a new working group. Rather, the intention is to

stimulate some new thinking around the IPv4 Multicast Address Architecture and Allocation problem(s). Specifically, allocation architectures, the causes for the land grab (e.g., no lightweight service discovery protocol), and to clean up the various older allocation strategies that, while documented in various RFCs, have never been widely deployed on the public Internet.

BoF Overview/Draft Agenda:

(i). Current Multicast Address Allocation Models

MADCAP  
GLOP (EGLOP?)  
IANA  
Scope Relative  
Dynamic methods?

(ii). Assignment Models

Derived  
SSM  
Manually Configured  
IANA  
Dynamic Methods?

(iii). Successes and Failures

(iv). Should any of the current mechanisms be deprecated (and if so, why)?

(v). Where is new work needed (if any is needed)?

(vi). Conclusions and next steps

----- End forwarded message -----

7. Working Group News We Can Use

Brian Carpenter  
Bill Fenner  
Ted Hardie

Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Jon Peterson  
Mark Townsley  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

Received: from daffy.ee.lbl.gov (daffy.ee.lbl.gov [131.243.1.31])  
by ietf.org (8.8.5/8.8.7a) with ESMTP id BAA22998  
for <iesg@ietf.org>; Fri, 13 Nov 1998 01:24:02 -0500 (EST)

Received: (from vern@localhost)  
by daffy.ee.lbl.gov (8.9.1/8.9.1) id WAA00999;  
Thu, 12 Nov 1998 22:24:02 -0800 (PST)

Message-Id: <199811130624.WAA00999@daffy.ee.lbl.gov>

To: iesg@ietf.org

Subject: Re: heads up re draft-ietf-mmusic-sip-10.txt to Proposed

Date: Thu, 12 Nov 1998 22:24:02 PST

From: Vern Paxson <vern@ee.lbl.gov>

Here is -10, modulo perhaps some typos that I'm sending to the authors tonight. They'll be sending it to Internet-Drafts tomorrow morning.

I've reviewed the changes with respect to -09 and verified they address my (lengthy) comments. Next message is the ballot info.

Vern

Internet Engineering Task Force  
Internet Draft  
ietf-mmusic-sip-10.txt  
November 12, 1998  
Expires: May 1999

MMUSIC WG  
Handley/Schulzrinne/Schooler/Rosenberg  
ISI/Columbia U./Caltech/Bell Labs.

SIP: Session Initiation Protocol

STATUS OF THIS MEMO

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#### ABSTRACT

The Session Initiation Protocol (SIP) is an application-layer control (signaling) protocol for creating, modifying and terminating sessions with one or more participants. These sessions include Internet multimedia conferences, Internet telephone calls and multimedia distribution. Members in a session can communicate via multicast or via a mesh of unicast relations, or a combination of these.

SIP invitations used to create sessions carry session descriptions which allow participants to agree on a set of compatible media types. SIP supports user mobility by proxying and redirecting requests to the user's current location. Users can register their current location. SIP is not tied to any particular conference control protocol. SIP is designed to be independent of the

lower-layer transport protocol and can be extended with additional capabilities.

This document is a product of the Multi-party Multimedia Session Control (MMUSIC) working group of the Internet Engineering Task Force. Comments are solicited and should be addressed to the working group's mailing list at [confctrl@isi.edu](mailto:confctrl@isi.edu) and/or the authors.

## 1 Introduction

### 1.1 Overview of SIP Functionality

The Session Initiation Protocol (SIP) is an application-layer control protocol that can establish, modify and terminate multimedia sessions or calls. These multimedia sessions include multimedia conferences, distance learning, Internet telephony and similar applications. SIP can invite both persons and "robots", such as a media storage service. SIP can invite parties to both unicast and multicast sessions; the initiator does not necessarily have to be a member of the session to which it is inviting. Media and participants can be added to an existing session.

SIP can be used to initiate sessions as well as invite members to sessions that have been advertised and established by other means. Sessions can be advertised using multicast protocols such as SAP, electronic mail, news groups, web pages or directories (LDAP), among others.

SIP transparently supports name mapping and redirection services, allowing the implementation of ISDN and Intelligent Network telephony subscriber services. These facilities also enable personal mobility. In the parlance of telecommunications intelligent network services, this is defined as: "Personal mobility is the ability of end users to originate and receive calls and access subscribed telecommunication services on any terminal in any location, and the ability of the network to identify end users as they move. Personal mobility is based on the use of a unique personal identity (i.e., personal number)." [1]. Personal mobility complements terminal mobility, i.e., the ability to maintain communications when moving a single end system from one subnet to another.

SIP supports five facets of establishing and terminating multimedia communications:

User location: determination of the end system to be used for communication;

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User capabilities: determination of the media and media parameters to be used;

User availability: determination of the willingness of the called party to engage in communications;

Call setup: "ringing", establishment of call parameters at both called and calling party;

Call handling: including transfer and termination of calls.

SIP can also initiate multi-party calls using a multipoint control unit (MCU) or fully-meshed interconnection instead of multicast. Internet telephony gateways that connect Public Switched Telephone Network (PSTN) parties can also use SIP to set up calls between them.

SIP is designed as part of the overall IETF multimedia data and control architecture currently incorporating protocols such as RSVP (RFC 2205 [2]) for reserving network resources, the real-time transport protocol (RTP) (RFC 1889 [3]) for transporting real-time data and providing QOS feedback, the real-time streaming protocol (RTSP) (RFC 2326 [4]) for controlling delivery of streaming media, the session announcement protocol (SAP) [5] for advertising multimedia sessions via multicast and the session description protocol (SDP) (RFC 2327 [6]) for describing multimedia sessions. However, the functionality and operation of SIP does not depend on any of these protocols.

SIP can also be used in conjunction with other call setup and signaling protocols. In that mode, an end system uses SIP exchanges to determine the appropriate end system address and protocol from a given address that is protocol-independent. For example, SIP could be used to determine that the party can be reached via H.323 [7], obtain the H.245 [8] gateway and user address and then use H.225.0 [9] to

establish the call.

In another example, SIP might be used to determine that the callee is reachable via the PSTN and indicate the phone number to be called, possibly suggesting an Internet-to-PSTN gateway to be used.

SIP does not offer conference control services such as floor control or voting and does not prescribe how a conference is to be managed, but SIP can be used to introduce conference control protocols. SIP does not allocate multicast addresses.

SIP can invite users to sessions with and without resource reservation. SIP does not reserve resources, but can convey to the invited system the information necessary to do this.

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## 1.2 Terminology

In this document, the key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" are to be interpreted as described in RFC 2119 [10] and indicate requirement levels for compliant SIP implementations.

## 1.3 Definitions

This specification uses a number of terms to refer to the roles played by participants in SIP communications. The definitions of client, server and proxy are similar to those used by the Hypertext Transport Protocol (HTTP) (RFC 2068 [11]). The terms and generic syntax of URI and URL are defined in RFC 2396 [12]. The following terms have special significance for SIP.

**Call:** A call consists of all participants in a conference invited by a common source. A SIP call is identified by a globally unique call-id (Section 6.12). Thus, if a user is, for example, invited to the same multicast session by several people, each of these invitations will be a unique call. A point-to-point Internet telephony conversation maps into a single SIP call. In a multiparty conference unit (MCU) based call-in conference, each

participant uses a separate call to invite himself to the MCU.

Call leg: A call leg is identified by the combination of Call-ID, To and From.

Client: An application program that sends SIP requests. Clients may or may not interact directly with a human user. User agents and proxies contain clients (and servers).

Conference: A multimedia session (see below), identified by a common session description. A conference can have zero or more members and includes the cases of a multicast conference, a full-mesh conference and a two-party "telephone call", as well as combinations of these. Any number of calls can be used to create a conference.

Downstream: Requests sent in the direction from the caller to the callee (i.e., user agent client to user agent server).

Final response: A response that terminates a SIP transaction, as opposed to a provisional response that does not. All 2xx, 3xx, 4xx, 5xx and 6xx responses are final.

Initiator, calling party, caller: The party initiating a conference invitation. Note that the calling party does not have to be the

same as the one creating the conference.

Invitation: A request sent to a user (or service) requesting participation in a session. A successful SIP invitation consists of two transactions: an INVITE request followed by an ACK request.

Invitee, invited user, called party, callee: The person or service that the calling party is trying to invite to a conference.

Isomorphic request or response: Two requests or responses are defined

to be isomorphic for the purposes of this document if they have the same values for the Call-ID, To, From and CSeq header fields. In addition, requests have to have the same Request-URI.

Location server: See location service

Location service: A location service is used by a SIP redirect or proxy server to obtain information about a callee's possible location(s). Location services are offered by location servers. Location servers MAY be co-located with a SIP server, but the manner in which a SIP server requests location services is beyond the scope of this document.

Parallel search: In a parallel search, a proxy issues several requests to possible user locations upon receiving an incoming request. Rather than issuing one request and then waiting for the final response before issuing the next request as in a sequential search, a parallel search issues requests without waiting for the result of previous requests.

Provisional response: A response used by the server to indicate progress, but that does not terminate a SIP transaction. 1xx responses are provisional, other responses are considered final

Proxy, proxy server: An intermediary program that acts as both a server and a client for the purpose of making requests on behalf of other clients. Requests are serviced internally or by passing them on, possibly after translation, to other servers. A proxy interprets, and, if necessary, rewrites a request message before forwarding it.

Redirect server: A redirect server is a server that accepts a SIP request, maps the address into zero or more new addresses and returns these addresses to the client. Unlike a proxy server, it does not initiate its own SIP request. Unlike a user agent server, it does not accept calls.

Registrar: A registrar is server that accepts REGISTER requests. A registrar is typically co-located with a proxy or redirect server and MAY offer location services.

Ringback: Ringback is the signaling tone produced by the calling client's application indicating that a called party is being alerted (ringing).

Server: A server is an application program that accepts requests in order to service requests and sends back responses to those requests. Servers are either proxy, redirect or user agent servers or registrars.

Session: From the SDP specification: "A multimedia session is a set of multimedia senders and receivers and the data streams flowing from senders to receivers. A multimedia conference is an example of a multimedia session." (RFC 2327 [6]) (A session as defined for SDP can comprise one or more RTP sessions.) As defined, a callee can be invited several times, by different calls, to the same session. If SDP is used, a session is defined by the concatenation of the user name , session id , network type , address type and address elements in the origin field.

(SIP) transaction: A SIP transaction occurs between a client and a server and comprises all messages from the first request sent from the client to the server up to a final (non-1xx) response sent from the server to the client. A transaction is identified by the CSeq sequence number (Section 6.17) within a single call leg. The ACK request has the same CSeq number as the corresponding INVITE request, but comprises a transaction of its own.

Upstream: Responses sent in the direction from the user agent server to the user agent client.

URL-encoded: A character string encoded according to RFC 1738, Section 2.2 [13].

User agent client (UAC), calling user agent: A user agent client is a client application that initiates the SIP request.

User agent server (UAS), called user agent: A user agent server is a server application that contacts the user when a SIP request is

received and that returns a response on behalf of the user. The response accepts, rejects or redirects the request.

An application program MAY be capable of acting both as a client and a server. For example, a typical multimedia conference control

application would act as a user agent client to initiate calls or to invite others to conferences and as a user agent server to accept invitations. The properties of the different SIP server types are summarized in Table 1.

property	redirect	proxy	user agent
registrar	server	server	server
--- no			
also acts as a SIP client	no	yes	no
returns 1xx status	yes	yes	yes
returns 2xx status	no	yes	yes
returns 3xx status	yes	yes	yes
returns 4xx status	yes	yes	yes
returns 5xx status	yes	yes	yes
returns 6xx status	no	yes	yes
inserts Via header	no	yes	no
accepts ACK	yes	yes	yes

Table 1: Properties of the different SIP server types

## 1.4 Overview of SIP Operation

This section explains the basic protocol functionality and operation. Callers and callees are identified by SIP addresses, described in Section 1.4.1. When making a SIP call, a caller first locates the appropriate server (Section 1.4.2) and then sends a SIP request (Section 1.4.3). The most common SIP operation is the invitation (Section 1.4.4). Instead of directly reaching the intended callee, a SIP request may be redirected or may trigger a chain of new SIP requests by proxies (Section 1.4.5). Users can register their location(s) with SIP servers (Section 4.2.6).

### 1.4.1 SIP Addressing

The "objects" addressed by SIP are users at hosts, identified by a SIP URL. The SIP URL takes a form similar to a mailto or telnet URL, i.e., user@host user part is a user name, a civil name or a telephone number. The host part is either a domain name having a DNS SRV (RFC 2052 [14]), CNAME or A record (RFC 1035 [15]), or a numeric network address.

A user's SIP address can be obtained out-of-band, can be learned via existing media agents, can be included in some mailers' message headers, or can be recorded during previous invitation interactions. In many cases, a user's SIP URL can be guessed from his email address.

Examples of SIP URLs include:

```
sip:mjh@metro.isi.edu
sip:watson@bell-telephone.com
sip:root@193.175.132.42
sip:info@ietf.org
```

A SIP URL address can designate an individual (possibly located at one of several end systems), the first available person from a group of individuals or a whole group. The form of the address, for example, sip:sales@example.com , is not sufficient, in general, to determine the intent of the caller.

If a user or service chooses to be reachable at an address that is guessable from the person's name and organizational affiliation, the traditional method of ensuring privacy by having an unlisted "phone" number is compromised. However, unlike traditional telephony, SIP offers authentication and access control mechanisms and can avail itself of lower-layer security mechanisms, so that client software can reject unauthorized or undesired call attempts.

#### 1.4.2 Locating a SIP Server

When a client wishes to send a request, the client either sends it to a locally configured SIP proxy server (as in HTTP), independent of the Request-URI, or sends it to the IP address and port corresponding to the Request-URI. For the latter case, the client performs the following steps to obtain the server's IP address.

A SIP client MUST follow the following steps to resolve the host part of the Request-URI. If a client supports only TCP or UDP, but not both, the client omits the respective address type. If the SIP address contains a port number, that number is to be used, otherwise, the default port number 5060 is to be used. The default port number is the same for UDP and TCP. In all cases, the client first attempts to contact the server using UDP, then TCP.

A client SHOULD rely on ICMP "Port Unreachable" messages rather than time-outs to determine that a server is not reachable at a particular address. (For socket-based programs: For TCP, connect() returns ECONNREFUSED if there is no server at the designated address; for UDP, the socket needs to be bound to the destination address using connect() rather than sendto() or similar so that a second write() fails with ECONNREFUSED. ) If it finds the server is not reachable at a particular address, it SHOULD behave as if it received a 400-class error response to that request.

If the SIP address contains a numeric IP address, the client contacts the SIP server at that address. Otherwise, the client follows the steps below.

1. If there is a SRV DNS resource record (RFC 2052 [14]) of type sip.udp or type sip.tcp, order all such records by their priority value and attempt to contact the servers in that order. If a port number is explicitly specified in the SIP URL, it overrides the port number in the SRV record. It is RECOMMENDED that DNS zone files give higher weight to servers running UDP than those running TCP. If a server responds, skip the remaining steps below.
2. Check if there is a DNS CNAME or A record for the given host and try to contact a SIP server at the one or more addresses listed, again trying first UDP, then TCP. If a server responds, skip the remaining step.
3. If all of the above methods fail to locate a server, the caller MAY contact an SMTP server at the user's host and use the SMTP EXPN command to obtain an alternate address and repeat the steps above. As a last resort, a client MAY choose to deliver the session description to the callee using electronic mail, encapsulating it as a MIME [16] attachment. This allows mail readers with automated processing of attachments to start the appropriate tool. Alternatively, the human user can examine the session description and take whatever actions they like.

A client MAY cache the result of the reachability steps for a particular address and retry that host address for the next request. It SHOULD honor DNS TTL's and expire the cache entry at the appropriate time. If the client does not find a SIP server at the cached address, it MUST start the search at the beginning of the sequence.

An organization MAY use sip. domain as the name CNAME or A name of its SIP server, according to RFC 2219 [17]. A client MAY attempt to contact a server with the name sip. domain when given the address user@domain.

This suggestion allows a reasonably smooth transition until the widespread deployment of DNS SRV records.

### 1.4.3 SIP Transaction

Once the host part has been resolved to a SIP server, the client sends one or more SIP requests to that server and receives one or

more responses from the server. A request (and its retransmissions) together with the responses triggered by that request make up a SIP transaction. All responses to a request contain the same values in the Call-ID, CSeq, To, and From fields (with the possible addition of a tag in the To field 6.37). This allows responses to be matched with requests. The ACK request following an INVITE is not part of the transaction since it may traverse a different set of hosts.

If TCP is used, request and responses within a single SIP transaction are carried over the same TCP connection (see Section 10). Several SIP requests from the same client to the same server MAY use the same TCP connection or MAY open a new connection for each request.

If the client sent the request via unicast UDP, the response is sent to the address contained in the next Via header field (Section 6.40) of the response. If the request is sent via multicast UDP, the response is directed to the same multicast address and destination port. For UDP, reliability is achieved using retransmission (Section 10).

The SIP message format and operation is independent of the transport protocol.

### 1.4.4 SIP Invitation

A successful SIP invitation consists of two requests, INVITE followed by ACK. The INVITE (Section 4.2.1) request asks the callee to join a particular conference or establish a two-party conversation. After the callee has agreed to participate in the call, the caller confirms that it has received that response by sending an ACK (Section 4.2.2) request. If the caller no longer wants to participate in the call, it sends a BYE request instead of an ACK.

The INVITE request typically contains a session description, for example written in SDP (RFC 2327 [6]) format, that provides the called party with enough information to join the session. For multicast sessions, the session description enumerates the media types and formats that are allowed to be distributed to that session. For a unicast session, the session description enumerates the media types and formats that the caller is willing to receive and where it wishes the media data to be sent. In either case, if the callee wishes to accept the call, it responds to the invitation by returning a similar description listing the media it wishes to receive. For a multicast session, the callee SHOULD only return a session description if it is unable to receive the media indicated in the caller's description or wants to receive data via unicast.

The protocol exchanges for the INVITE method are shown in Fig. 1 for

a proxy server and in Fig. 2 for a redirect server. (Note that the messages shown in the figures have been abbreviated slightly.) In Fig. 1, the proxy server accepts the INVITE request (step 1), contacts the location service with all or parts of the address (step 2) and obtains a more precise location (step 3). The proxy server then issues a SIP INVITE request to the address(es) returned by the location service (step 4). The user agent server alerts the user (step 5) and returns a success indication to the proxy server (step 6). The proxy server then returns the success result to the original caller (step 7). The receipt of this message is confirmed by the caller using an ACK request, which is forwarded to the callee (steps 8 and 9). Note that an ACK can also be sent directly to the callee, bypassing the proxy. All requests and responses have the same Call-ID.

The transport, maddr, and ttl parameters MUST NOT be used in the From and To header fields and the Request-URI; they are ignored if present.

Headers: Headers of the SIP request can be defined with the "?" mechanism within a SIP URL. The special hname "body" indicates that the associated hvalue is the message-body of the SIP INVITE request. Headers MUST NOT be used in the From and To header fields and the Request-URI; they are ignored if present.

Method: The method of the SIP request can be specified with the method parameter. This parameter MUST NOT be used in the From and To header fields and the Request-URI; they are ignored if present.

Table 2 summarizes where the components of the SIP URL can be used and what default values they assume if not present.

Examples of SIP URLs are:

```
sip:j.doe@big.com
sip:j.doe:secret@big.com;transport=tcp
sip:j.doe@big.com?subject=project
sip:+1-212-555-1212:1234@gateway.com;user=phone
sip:1212@gateway.com
sip:alice@10.1.2.3
sip:alice@example.com
sip:alice
sip:alice@registrar.com;method=REGISTER
```

Within a SIP message, URLs are used to indicate the source and intended destination of a request, redirection addresses and the current destination of a request. Normally all these fields will contain SIP URLs.

SIP URLs are case-insensitive, so that for example the two URLs sip:j.doe@example.com and SIP:J.Doe@Example.com are equivalent. All URL parameters are included when comparing SIP URLs for equality.

SIP header fields MAY contain non-SIP URLs. As an example, if a call

from a telephone is relayed to the Internet via SIP, the SIP From header field might contain a phone URL.

### 3 SIP Message Overview

SIP is a text-based protocol and uses the ISO 10646 character set in UTF-8 encoding (RFC 2279 [22]). Lines are terminated by CRLF, but receivers MUST also interpret CR and LF by themselves as line terminators.

Except for the above difference in character sets, much of the message syntax is identical to HTTP/1.1; rather than repeating it here we use [HX.Y] to refer to Section X.Y of the current HTTP/1.1 specification (RFC 2068 [11]). In addition, we describe SIP in both prose and an augmented Backus-Naur form (BNF) [H2.1] described in detail in RFC 2234 [23].

Unlike HTTP, SIP MAY use UDP. When sent over TCP or UDP, multiple SIP transactions can be carried in a single TCP connection or UDP datagram. UDP datagrams, including all headers, SHOULD NOT be larger than the path maximum transmission unit (MTU) if the MTU is known, or 1400 bytes if the MTU is unknown.

The 1400 bytes accommodates lower-layer packet headers within the "typical" MTU of around 1500 bytes. Recent studies [24] indicate that an MTU of 1500 bytes is a reasonable assumption. The next lower common MTU values are 1006 bytes for SLIP and 296 for low-delay PPP (RFC 1191 [25]). Thus, another reasonable value would be a message size of 950 bytes, to accommodate packet headers within the SLIP MTU without fragmentation.

A SIP message is either a request from a client to a server, or a response from a server to a client.

```

cs.columbia.edu .....+
:
:
(~~~~~) :
( location ) :
( service ) :
(~~~~~) :
| : ^
hgs@lab : |
3l : 2l
| : |
| : henning
| :
+.. cs.tu-berlin.de ..+ 1: INVITE : |
| :
: henning@cs.col: | \ 4: INVITE 5:
ring :
: cz@cs.tu-berlin.de =====>(~~~~~)=====>
(~~~~~) :
: <.....( )<.....
( ) :
: : 7: 200 OK : ( )6: 200 OK
( ) :
: : ( work )
( lab ) :
: : 8: ACK : ( )9: ACK
( ) :
: =====>(~~~~~)=====>
(~~~~~) :
+.....+
+.....+

```

```

====> SIP request
....> SIP response

  ^
  |   non-SIP protocols
  |
.ec

```

Figure 1: Example of SIP proxy server

The redirect server shown in Fig. 2 accepts the INVITE request (step 1), contacts the location service as before (steps 2 and 3) and, instead of contacting the newly found address itself, returns the address to the caller (step 4), which is then acknowledged via an ACK request (step 5). The caller issues a new request, with the same call-ID but a higher CSeq, to the address returned by the first server (step 6). In the example, the call succeeds (step 7). The caller and callee complete the handshake with an ACK (step 8).

```

cs.columbia.edu .....+
:
:
(~~~~~) :
( location ) :
( service ) :
(~~~~~) :
| :

```

+.....  
:  
:  
:  
:  
:  
:  
^

```

                                     : |
hgs@lab                             :
                                     : 2|
3|                                   :
|                                   : |
|                                   :
                                     :
henning|                             :
+... cs.tu-berlin.de ..+ 1: INVITE   : |
|                                   :
:                                   :   henning@cs.col: |
\✓                                   :
: cz@cs.tu-berlin.de =====>
(~~~~~)                             :
: | ^ | <.....
( )                                 :
: | . | : 4: 302 Moved :
( )                                 :
: | . | :   hgs@lab   :
( work )                           :
: | . | :               :
( )                                 :
: | . | : 5: ACK       :
( )                                 :
: | . | =====>
(~~~~~)                             :
: | .
| : :
+.....|...|.....
+ :
| .
| :
| .
| :
| .
| :
| .
| :
| . | 6: INVITE hgs@lab.cs.columbia.edu
(~~~~~) :
| . =====>
( ) :
| .....
( ) :
| 7: 200 OK :
( lab ) :

```

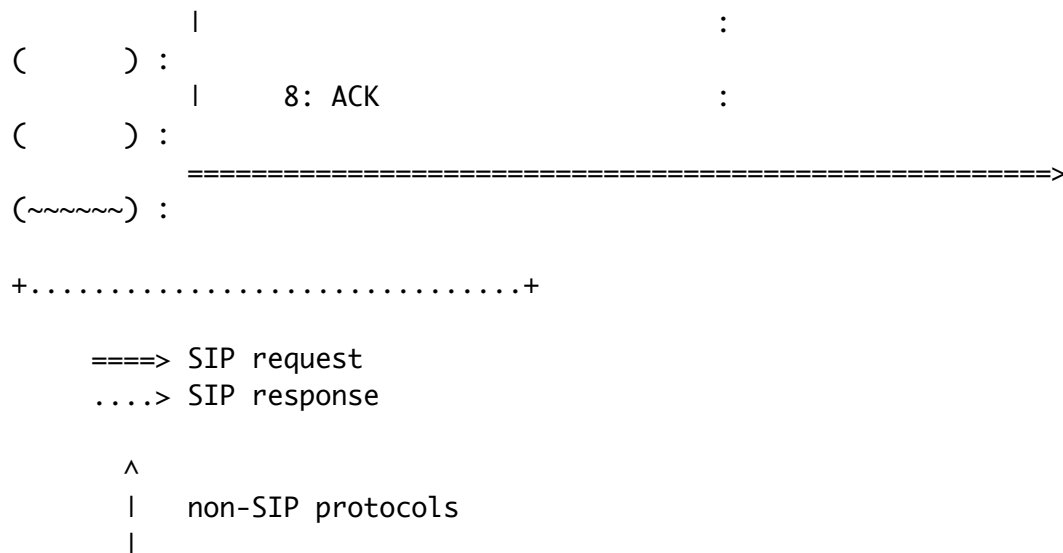


Figure 2: Example of SIP redirect server

The next section discusses what happens if the location service returns more than one possible alternative.

A callee may move between a number of different end systems over time. These locations can be dynamically registered with the SIP server (Sections 1.4.7, 4.2.6). A location server MAY also use one or more other protocols, such as finger (RFC 1288 [18]), rwhois (RFC 2167 [19]), LDAP (RFC 1777 [20]), multicast-based protocols [21] or operating-system dependent mechanisms to actively determine the end system where a user might be reachable. A location server MAY return several locations because the user is logged in at several hosts simultaneously or because the location server has (temporarily) inaccurate information. The SIP server combines the results to yield a list of a zero or more locations. It is RECOMMENDED that each location server sorts results according to the likelihood of success.

The action taken on receiving a list of locations varies with the type of SIP server. A SIP redirect server returns the list to the

client as Contact headers (Section 6.13). A SIP proxy server can sequentially or in parallel try the addresses until the call is successful (2xx response) or the callee has declined the call (6xx response). With sequential attempts, a proxy server can implement an "anycast" service.

If a proxy server forwards a SIP request, it MUST add itself to the end of the list of forwarders noted in the Via (Section 6.40) headers. The Via trace ensures that replies can take the same path back, ensuring correct operation through compliant firewalls and avoiding request loops. On the response path, each host MUST remove its Via, so that routing internal information is hidden from the callee and outside networks. A proxy server MUST check that it does not generate a request to a host listed in the Via sent-by, via-received or via-maddr parameters (Section 6.40). (Note: If a host has several names or network addresses, this does not always work. Thus, each host also checks if it is part of the Via list.)

A SIP invitation may traverse more than one SIP proxy server. If one of these "forks" the request, i.e., issues more than one request in response to receiving the invitation request, it is possible that a client is reached, independently, by more than one copy of the invitation request. Each of these copies bears the same Call-ID. The user agent MUST return the same status response returned in the first response. Duplicate requests are not an error.

#### 1.4.6 Changing an Existing Session

In some circumstances, it is desirable to change the parameters of an existing session. For example, two parties may have been conversing and then want to add a third party, switching to multicast for efficiency. One of the participants invites the third party with the new multicast address and simultaneously sends an INVITE to the second party, with the new multicast session description, but with the old call identifier.

The REGISTER request allows a client to let a proxy or redirect server know at which address(es) it can be reached. A client MAY also use it to install call handling features at the server.

## 1.5 Protocol Properties

### 1.5.1 Minimal State

A single conference session or call involves one or more SIP request-response transactions. Proxy servers do not have to keep state for a particular call, however, they MAY maintain state for a single SIP transaction, as discussed in Section 12. For efficiency, a server MAY cache the results of location service requests.

### 1.5.2 Lower-Layer-Protocol Neutral

SIP makes minimal assumptions about the underlying transport and network-layer protocols. The lower-layer can provide either a packet or a byte stream service, with reliable or unreliable service.

In an Internet context, SIP is able to utilize both UDP and TCP as transport protocols, among others. UDP allows the application to more carefully control the timing of messages and their retransmission, to perform parallel searches without requiring TCP connection state for each outstanding request, and to use multicast. Routers can more readily snoop SIP UDP packets. TCP allows easier passage through existing firewalls, and given the similar protocol design, allows common servers for SIP, HTTP and the Real Time Streaming Protocol (RTSP) (RFC 2326 [4]).

When TCP is used, SIP can use one or more connections to attempt to contact a user or to modify parameters of an existing conference. Different SIP requests for the same SIP call MAY use different TCP connections or a single persistent connection, as appropriate.

For concreteness, this document will only refer to Internet protocols. However, SIP MAY also be used directly with protocols such as ATM AAL5, IPX, frame relay or X.25. The necessary naming conventions are beyond the scope of this document. User agents SHOULD implement both UDP and TCP transport, proxy and redirect servers MUST.

### 1.5.3 Text-Based

SIP is text-based, using ISO 10646 in UTF-8 encoding throughout. This allows easy implementation in languages such as Java, Tcl and Perl, allows easy debugging, and most importantly, makes SIP flexible and extensible. As SIP is used for initiating multimedia conferences rather than delivering media data, it is believed that the additional overhead of using a text-based protocol is not significant.

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SIP URLs are used within SIP messages to indicate the originator (From), current destination (Request-URI) and final recipient (To) of a SIP request, and to specify redirection addresses (Contact). A SIP URL can also be embedded in web pages or other hyperlinks to indicate that a particular user or service can be called via SIP. When used as a hyperlink, the SIP URL indicates the use of the INVITE method.

The SIP URL scheme is defined to allow setting SIP request-header fields and the SIP message-body.

This corresponds to the use of mailto: URLs. It makes it possible, for example, to specify the subject, urgency or media types of calls initiated through a web page or as part of an email message.

A SIP URL follows the guidelines of RFC 2396 [12] and has the syntax shown in Fig. 3. The syntax is described using Augmented Backus-Naur Form (See Section C). Note that reserved characters have to be escaped and that the "set of characters reserved within any given URI component is defined by that component. In general, a character is reserved if the semantics of the URI changes if the character is replaced with its escaped US-ASCII encoding" [12].

SIP-URL	= "sip:" [ userinfo "@" ] hostport url-parameters [ headers ]
userinfo	= user [ ":" password ]
user	= *( unreserved   escaped   ";"   "&"   "="   "+"   "\$"   "," )
password	= *( unreserved   escaped   ";"   "&"   "="   "+"   "\$"   "," )
hostport	= host [ ":" port ]
host	= hostname   IPv4address
hostname	= *( domainlabel "." ) toplabel [ "." ]
domainlabel	= alphanum   alphanum *( alphanum   "-" ) alphanum
toplabel	= alpha   alpha *( alphanum   "-" ) alphanum
IPv4address	= 1*digit "." 1*digit "." 1*digit "." 1*digit

```

port          = *digit
url-parameters = *( ";" url-parameter )
url-parameter  = transport-param | user-param
                  | ttl-param | maddr-param | tag-param | other-param
transport-param = "transport=" ( "udp" | "tcp" )
ttl-param       = "ttl=" ttl
ttl             = 1*3DIGIT          ; 0 to 255
maddr-param     = "maddr=" host
user-param      = "user=" ( "phone" )
tag-param       = "tag=" UUID
UUID           = 1*( hex | "-" )
other-param     = ( token !$ ( token "=" ( token !$ quoted-
string )))

```

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```

hname         = *uric
hvalue        = *uric
uric          = reserved | unreserved | escaped
reserved      = ";" | "/" | "?" | ":" | "@" | "&" | "=" | "+" |
               "$" | ","
digits        = 1*DIGIT

```

Figure 3: SIP URL syntax

```

telephone-subscriber = global-phone-number | local-phone-number
global-phone-number  = "+" 1*phonedigit [isdn-subaddress]
                       [post-dial]
local-phone-number   = 1*(phonedigit | dtmf-digit |
                       pause-character) [isdn-subaddress]
                       [post-dial]
isdn-subaddress      = ";isub=" 1*phonedigit
post-dial            = ";postd=" 1*(phonedigit | dtmf-digit
| pause-character)
phonedigit           = DIGIT | visual-separator
visual-separator     = "-" | "."
pause-character      = one-second-pause | wait-for-dial-tone
one-second-pause     = "p"
wait-for-dial-tone   = "w"

```

dtmf-digit = "\*" | "#" | "A" | "B" | "C" | "D"

Figure 4: SIP URL syntax; telephone subscriber

The URI character classes referenced above are described in Appendix C.

user: If the host is an Internet telephony gateway, the user field MAY also encode a telephone number using the notation of telephone-subscriber (Fig. 4). The telephone number is a special case of a user name and cannot be distinguished by a BNF. Thus, a URL parameter, user, is added to distinguish telephone numbers from user names. The phone identifier is to be used when connecting to a telephony gateway. Even without this parameter, recipients of SIP URLs MAY interpret the pre-@ part as a phone number if local restrictions on the name space for user name allow it.

If a server handles SIP addresses for another domain, it MUST URL-encode the "@" character (%40). The ";" character MUST be URL-encoded, as otherwise it is not possible to distinguish, in one parsing pass, the case host;parameter and user;moreuser@host

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the userinfo field. The use of passwords in the userinfo is NOT RECOMMENDED, because the passing of authentication information in clear text (such as URIs) has proven to be a security risk in almost every case where it has been used.

host: The mailto: URL and RFC 822 email addresses require that numeric host addresses ("host numbers") are enclosed in square brackets (presumably, since host names might be numeric), while host numbers without brackets are used for all other URLs. The SIP URL requires the latter form, without brackets.

port: If missing, the port number is assumed to be the SIP default port, 5060.

URL parameters: SIP URLs can define specific parameters of

the request. URL parameters are added after the host component and are separated by semi-colons. The transport parameter determines the the transport mechanism (UDP or TCP). UDP is to be assumed when no explicit transport parameter is included. The maddr parameter provides the server address to be contacted for this user, overriding the address supplied in the host field. This address is typically a multicast address, but could also be the address of a backup server. The ttl parameter determines the time-to-live value of the UDP multicast packet and MUST only be used if maddr is a multicast address and the transport protocol is UDP. The user parameter was described above. For example, to specify to call j.doe@big.com using multicast to 239.255.255.1 with a ttl of 15, the following URL would be used:

sip:j.doe@big.com;maddr=239.255.255.1;ttl=15

SIP-message = Request | Response

Both Request (section 4) and Response (section 5) messages use the generic-message format of RFC 822 [26] for transferring entities (the body of the message). Both types of messages consist of a start-line, one or more header fields (also known as "headers"), an empty line (i.e., a line with nothing preceding the carriage-return line-feed (CRLF)) indicating the end of the header fields, and an optional message-body. To avoid confusion with similar-named headers in HTTP, we refer to the headers describing the message body as entity headers. These components are described in detail in the upcoming

	default	Req. -URI	To	From	Contact	
external						
user	--	x	x	x	x	x
password	--	x	x		x	x

host	mandatory	x	x	x	x	x
port	5060	x	x	x	x	x
user-param	ip	x	x	x	x	x
method	INVITE				x	x
maddr-param	--				x	x
ttd-param	1				x	x
transp.-param	--				x	x
headers	--				x	x

Table 2: Use and default values of URL components for SIP headers, Request-URI and references

sections.

generic-message	=	start-line *message-header CRLF [ message-body ]	
start-line	=	Request-Line   Status-Line	Section 4.1 Section 5.1
message-header	=	( general-header   request-header   response-header   entity-header )	

In the interest of robustness, any leading empty line(s) MUST be ignored. In other words, if the Request or Response message begins with a CRLF, CR, or LF, these characters MUST be ignored.

#### 4 Request

The Request message format is shown below:

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general-header	=	Accept	; Section 6.7
		Accept-Encoding	; Section 6.8
		Accept-Language	; Section 6.9
		Call-ID	; Section 6.12
		Contact	; Section 6.13
		CSeq	; Section 6.17
		Date	; Section 6.18
		Encryption	; Section 6.19
		Expires	; Section 6.20
		From	; Section 6.21
		Record-Route	; Section 6.29
		Timestamp	; Section 6.36
		To	; Section 6.37
		Via	; Section 6.40
entity-header	=	Content-Encoding	; Section 6.14
		Content-Length	; Section 6.15
		Content-Type	; Section 6.16
request-header	=	Authorization	; Section 6.11
		Contact	; Section 6.13
		Hide	; Section 6.22
		Max-Forwards	; Section 6.23
		Organization	; Section 6.24
		Priority	; Section 6.25
		Proxy-Authorization	; Section 6.27
		Proxy-Require	; Section 6.28
		Route	; Section 6.33
		Require	; Section 6.30
		Response-Key	; Section 6.31
		Subject	; Section 6.35
		User-Agent	; Section 6.39
response-header	=	Allow	; Section 6.10
		Proxy-Authenticate	; Section 6.26
		Retry-After	; Section 6.32
		Server	; Section 6.34
		Unsupported	; Section 6.38
		Warning	; Section 6.41
		WWW-Authenticate	; Section 6.42

Table 3: SIP headers

```
Request      = Request-Line           ; Section 4.1
               *( general-header
               | request-header
               | entity-header )
               CRLF
```

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```
[ message-body ]           ; Section 8
```

#### 4.1 Request-Line

The Request-Line begins with a method token, followed by the Request-URI and the protocol version, and ending with CRLF. The elements are separated by SP characters. No CR or LF are allowed except in the final CRLF sequence.

```
Request-Line  = Method SP Request-URI SP SIP-Version CRLF
```

#### 4.2 Methods

The methods are defined below. Methods that are not supported by a proxy or redirect server are treated by that server as if they were an OPTIONS method and forwarded accordingly. Methods that are not supported by a user agent server or registrar cause a 501 (Not Implemented) response to be returned (Section 7).

```
Method        = "INVITE" | "ACK" | "OPTIONS" | "BYE"
               | "CANCEL" | "REGISTER"
```

#### 4.2.1 INVITE

The INVITE method indicates that the user or service is being invited to participate in a session. The message body contains a description of the session to which the callee is being invited. For two-party calls, the caller indicates the type of media it is able to receive and possibly the media it is willing to send as well as their parameters such as network destination. A success response **MUST** indicate in its message body which media the callee wishes to receive and **MAY** indicate the media the callee is going to send.

Not all session description formats have the ability to indicate sending media.

A server **MAY** automatically respond to an invitation for a conference the user is already participating in, identified either by the SIP Call-ID or a globally unique identifier within the session description, with a 200 (OK) response.

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If a user agent receives an INVITE request for an existing call leg with a higher CSeq sequence number than any previous INVITE for the same Call-ID, it **MUST** check any version identifiers in the session description or, if there are no version identifiers, the content of the session description to see if it has changed. It **MUST** also inspect any other header fields for changes. If there is a change, the user agent **MUST** update any internal state or information generated as a result of that header. If the session description has changed, the user agent server **MUST** adjust the session parameters accordingly, possibly after asking the user for confirmation. (Versioning of the session description can be used to accommodate the capabilities of new arrivals to a conference, add or delete media or change from a unicast to a multicast conference.)

This method **MUST** be supported by SIP proxy, redirect and user agent servers as well as clients.

#### 4.2.2 ACK

The ACK request confirms that the client has received a final response to an INVITE request. (ACK is used only with INVITE requests.) 2xx responses are acknowledged by client user agents, all other final responses by the first proxy or client user agent to receive the response. The Via is always initialized to the host that originates the ACK request, i.e., the client user agent after a 2xx response or the first proxy to receive a non-2xx final response. The ACK request is forwarded as the corresponding INVITE request, based on its Request-URI. See Section 10 for details.

The ACK request MAY contain a message body with the final session description to be used by the callee. If the ACK message body is empty, the callee uses the session description in the INVITE request.

A proxy server receiving an ACK request after having sent a 3xx, 4xx, 5xx, or 6xx response must make a determination about whether the ACK is for it, or for some user agent or proxy server further downstream. This determination is made by examining the tag in the To field. If the tag in the ACK To header field matches the tag in the To header field of the response, the ACK is meant for the proxy server. Otherwise, the ACK SHOULD be proxied downstream as any other request.

It is possible for a user agent client or proxy server to receive multiple 3xx, 4xx, 5xx, and 6xx responses to a request along a single branch. This can happen under various error conditions, typically when a forking proxy transitions from stateful to stateless before receiving all responses. The various responses will all be identical,

except for the tag in the To field, which is different for each one. It can therefore be used as a means to disambiguate them.

This method MUST be supported by SIP proxy, redirect and user agent servers as well as clients.

#### 4.2.3 OPTIONS

The server is being queried as to its capabilities. A server that believes it can contact the user, such as a user agent where the user is logged in and has been recently active, MAY respond to this request with a capability set. A called user agent MAY return a status reflecting how it would have responded to an invitation, e.g., 600 (Busy). Such a server SHOULD return an Allow header field indicating the methods that it supports. Proxy and redirect servers simply forward the request without indicating their capabilities.

This method MUST be supported by SIP proxy, redirect and user agent servers, registrars and clients.

#### 4.2.4 BYE

The user agent client uses BYE to indicate to the server that it wishes to release the call. A BYE request is forwarded like an INVITE request and MAY be issued by either caller or callee. A party to a call SHOULD issue a BYE request before releasing a call ("hanging up"). A party receiving a BYE request MUST cease transmitting media streams specifically directed at the party issuing the BYE request.

If the INVITE request contained a Contact header, the callee SHOULD send a BYE request to that address rather than the From address.

This method MUST be supported by proxy servers and SHOULD be supported by redirect and user agent SIP servers.

#### 4.2.5 CANCEL

The CANCEL request cancels a pending request with the same Call-ID, To, From and CSeq (sequence number only) header field values, but does not affect a completed request. (A request is considered completed if the server has returned a final status response.)

A user agent client or proxy client MAY issue a CANCEL request at any time. A proxy, in particular, MAY choose to send a CANCEL to destinations that have not yet returned a final response after it has received a 2xx or 6xx response for one or more of the parallel-search requests. A proxy that receives a CANCEL request forwards the request

to all destinations with pending requests.

The Call-ID, To, the numeric part of CSeq and From headers in the CANCEL request are identical to those in the original request. This allows a CANCEL request to be matched with the request it cancels. However, to allow the client to distinguish responses to the CANCEL from those to the original request, the CSeq Method component is set to CANCEL. The Via header field is initialized to the proxy issuing the CANCEL request. (Thus, responses to this CANCEL request only reach the issuing proxy.)

Once a user agent server has received a CANCEL, it MUST NOT issue a 2xx response for the cancelled original request.

A redirect or user agent server receiving a CANCEL request responds with a status of 200 (OK) if the transaction exists and a status of 481 (Transaction Does Not Exist) if not, but takes no further action. In particular, any existing call is unaffected.

The BYE request cannot be used to cancel branches of a parallel search, since several branches may, through intermediate proxies, find the same user agent server and then terminate the call. To terminate a call instead of just pending searches, the UAC must use BYE instead of or in addition to CANCEL. While CANCEL can terminate any pending request other than ACK or CANCEL, it is typically useful only for INVITE. 200 responses to INVITE and 200 responses to CANCEL are distinguished by the method in the Cseq header field, so there is no ambiguity.

This method MUST be supported by proxy servers and SHOULD be supported by all other SIP server types.

#### 4.2.6 REGISTER

A client uses the REGISTER method to register the address listed in the To header field with a SIP server.

A user agent MAY register with a local server on startup by sending a REGISTER request to the well-known "all SIP servers" multicast

address "sip.mcast.net" (224.0.1.75). This request SHOULD be scoped to ensure it is not forwarded beyond the boundaries of the administrative system. This MAY be done with either TTL or administrative scopes[27], depending on what is implemented in the network. However, use of administrative scoping is RECOMMENDED. SIP user agents MAY listen to that address and use it to become aware of the location of other local users [21]; however, they do not respond

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to the request. A user agent MAY also be configured with the address of a registrar server to which it sends a REGISTER request upon startup.

Requests are processed in the order received. Clients SHOULD avoid sending a new registration (as opposed to a retransmission) until they have received the response from the server for the previous one.

Clients may register from different locations, by necessity using different Call-ID values. Thus, the CSeq value cannot be used to enforce ordering. Since registrations are additive, ordering is less of a problem than if each REGISTER request completely replaced all earlier ones.

The meaning of the REGISTER request-header fields is defined as follows. We define "address-of-record" as the SIP address that the registry knows the registrand, typically of the form "user@domain" rather than "user@host". In third-party registration, the entity issuing the request is different from the entity being registered.

To: The To header field contains the address-of-record whose registration is to be created or updated.

From: The From header field contains the address-of-record of the person responsible for the registration. For first-party registration, it is identical to the To header field value.

Request-URI: The Request-URI names the destination of the registration request, i.e., the domain of the registrar. The

user name MUST be empty. Generally, the domains in the Request-URI and the To header field have the same value; however, it is possible to register as a "visitor", while maintaining one's name. For example, a traveller sip:alice@acme.com (To) might register under the Request-URI sip:atlanta.hiayh.org , with the former as the To header field and the latter as the Request-URI. The request is no longer forwarded once it reached the server whose authoritative domain is the one listed in the Request-URI.

Call-ID: All registrations from a client SHOULD use the same Call-ID header value, at least within the same reboot cycle.

Cseq: Registrations with the same Call-ID MUST have increasing CSeq header values. However, the server does not reject out-of-order requests.

Contact: The request MAY contain a Contact header field; future non-REGISTER requests for the URI given in the To header field

SHOULD be directed to the address(es) given in the Contact header.

If the request does not contain a Contact header, the registration remains unchanged.

This is useful to obtain the current list of registrations in the response. Registrations using SIP URIs that differ in one or more of host, port, transport-param or maddr-param (see Figure 3) from an existing registration are added to the list of registrations. Other URI types are compared according to the standard URI equivalency rules for the URI schema. If the URIs are equivalent to that of an existing registration, the new registration replaces the old one if it has a higher q value or, for the same value of q, if the ttl value is higher. All current registrations MUST share the same action value. Registrations that have a different action than current registrations for the same user MUST be rejected with status of 409 (Conflict).

A proxy server ignores the q parameter when processing non-REGISTER requests, while a redirect server simply returns that parameter in its Contact response header field.

Having the proxy server interpret the q parameter is not sufficient to guide proxy behavior, as it is not clear, for example, how long it is supposed to wait between trying addresses.

If the registration is changed while a user agent or proxy server processes an invitation, the new information SHOULD be used.

This allows a service known as "directed pick-up". In the telephone network, directed pickup permits a user at a remote station who hears his own phone ringing to pick up at that station, dial an access code, and be connected to the calling user as if he had answered his own phone.

A server MAY choose any duration for the registration lifetime. Registrations not refreshed after this amount of time SHOULD be silently discarded. Responses to a registration SHOULD include an Expires header (Section 6.20), indicating the time at which the server will drop the registration. If none is present, one hour is assumed. Clients MAY request a registration lifetime by indicating the time in an Expires header in the request. A server SHOULD NOT use a higher lifetime than the one requested, but MAY use a lower one. A

single address (if host-independent) MAY be registered from several different clients.

A client cancels an existing registration by sending a REGISTER request with an expiration time (Expires) of zero seconds for a particular Contact or the wildcard Contact designated by a "\*" for all registrations. Registrations are matched based on the user, host, port and maddr parameters.

The server SHOULD return the current list of registrations in the 200 response as Contact header fields.

It is particularly important that REGISTER requests are authenticated since they allow to redirect future requests (see Section 13.2).

Beyond its use as a simple location service, this method is needed if there are several SIP servers on a single host. In that case, only one of the servers can use the default port number.

Support of this method is RECOMMENDED.

#### 4.3 Request-URI

The Request-URI is a SIP URL as described in Section 2 or a general URI. It indicates the user or service to which this request is being addressed. Unlike the To field, the Request-URI MAY be re-written by proxies.

When used as a Request-URI, a SIP-URL MUST NOT contain the transport-param, maddr-param, ttl-param, or headers elements. A server that receives a SIP-URL with these elements removes them before further processing.

Typically, the UAC sets the Request-URI and To to the same SIP URL, presumed to remain unchanged over long time periods. However, if the UAC has cached a more direct path to the callee, e.g., from the Contact header field of a response to a previous request, the To would still contain the long-term, "public" address, while the Request-URI would be set to the cached address.

Proxy and redirect servers MAY use the information in the Request-URI and request header fields to handle the request and possibly rewrite the Request-URI. For example, a request addressed to the generic address sip:sales@acme.com is proxied to the particular person, e.g.,

sip:bob@ny.acme.com , with the To field remaining as sip:sales@acme.com ny.acme.com , Bob then designates Alice as the temporary substitute.

The host part of the Request-URI typically agrees with one of the host names of the receiving server. If it does not, the server SHOULD proxy the request to the address indicated or return a 404 (Not Found) response if it is unwilling or unable to do so. For example, the Request-URI and server host name can disagree in the case of a firewall proxy that handles outgoing calls. This mode of operation similar to that of HTTP proxies.

If a SIP server receives a request with a URI indicating a scheme other than SIP which that server does not understand, the server MUST return a 400 (Bad Request) response. It MUST do this even if the To header field contains a scheme it does understand. This is because proxies are responsible for processing the Request-URI; the To field is of end to end significance.

#### 4.3.1 SIP Version

Both request and response messages include the version of SIP in use, and basically follow [H3.1], with HTTP replaced by SIP. To be compliant with this specification, applications sending SIP messages MUST include a SIP-Version of "SIP/2.0".

#### 4.4 Option Tags

Option tags are unique identifiers used to designate new options in SIP. These tags are used in Require (Section 6.30) and Unsupported (Section 6.38) fields.

Syntax:

option-tag     =     token

See Section C for a definition of token. The creator of a new SIP option MUST either prefix the option with their reverse domain name or register the new option with the Internet Assigned Numbers Authority (IANA). For example, "com.foo.mynewfeature" is an apt name for a feature whose inventor can be reached at "foo.com". Individual

organizations are then responsible for ensuring that option names don't collide. Options registered with IANA have the prefix "org.ietf.sip.", options described in RFCs have the prefix "org.ietf.rfc.N", where N is the RFC number. Option tags are case-insensitive.

#### 4.4.1 Registering New Option Tags with IANA

When registering a new SIP option, the following information **MUST** be provided:

- o Name and description of option. The name **MAY** be of any length, but **SHOULD** be no more than twenty characters long. The name **MUST** consist of alphanum (See Figure 3 characters only).
- o Indication of who has change control over the option (for example, IETF, ISO, ITU-T, other international standardization bodies, a consortium or a particular company or group of companies);
- o A reference to a further description, if available, for example (in order of preference) an RFC, a published paper, a patent filing, a technical report, documented source code or a computer manual;
- o Contact information (postal and email address);

Borrowed from RTSP and the RTP AVP.

## 5 Response

After receiving and interpreting a request message, the recipient responds with a SIP response message. The response message format is shown below:

```
Response    =   Status-Line           ; Section 5.1
                *( general-header
                  | response-header
                  | entity-header )
                CRLF
                [ message-body ]       ; Section 8
```

[H6] applies except that HTTP-Version is replaced by SIP-Version. Also, SIP defines additional response codes and does not use some HTTP codes.

## 5.1 Status-Line

The first line of a Response message is the Status-Line, consisting of the protocol version (Section 4.3.1) followed by a numeric

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Status-Code and its associated textual phrase, with each element separated by SP characters. No CR or LF is allowed except in the final CRLF sequence.

Status-Line = SIP-version SP Status-Code SP Reason-Phrase CRLF

### 5.1.1 Status Codes and Reason Phrases

The Status-Code is a 3-digit integer result code that indicates the outcome of the attempt to understand and satisfy the request. The Reason-Phrase is intended to give a short textual description of the Status-Code. The Status-Code is intended for use by automata, whereas the Reason-Phrase is intended for the human user. The client is not required to examine or display the Reason-Phrase.

Status-Code	=	Informational	Fig. 5
		Success	Fig. 5
		Redirection	Fig. 6
		Client-Error	Fig. 7
		Server-Error	Fig. 8
		Global-Failure	Fig. 9
		extension-code	
extension-code	=	3DIGIT	
Reason-Phrase	=	*<TEXT, excluding CR, LF>	

We provide an overview of the Status-Code below, and provide full definitions in Section 7. The first digit of the Status-Code defines the class of response. The last two digits do not have any categorization role. SIP/2.0 allows 6 values for the first digit:

- 1xx: Informational -- request received, continuing to process the request;
- 2xx: Success -- the action was successfully received, understood, and accepted;
- 3xx: Redirection -- further action needs to be taken in order to complete the request;
- 4xx: Client Error -- the request contains bad syntax or cannot be fulfilled at this server;

- 5xx: Server Error -- the server failed to fulfill an apparently valid request;
- 6xx: Global Failure -- the request cannot be fulfilled at any server.

Figures 5 through 9 present the individual values of the numeric response codes, and an example set of corresponding reason phrases for SIP/2.0. These reason phrases are only recommended; they may be replaced by local equivalents without affecting the protocol. Note

that SIP adopts many HTTP/1.1 response codes. SIP/2.0 adds response codes in the range starting at x80 to avoid conflicts with newly defined HTTP response codes, and adds a new class, 6xx, of response codes.

SIP response codes are extensible. SIP applications are not required to understand the meaning of all registered response codes, though such understanding is obviously desirable. However, applications **MUST** understand the class of any response code, as indicated by the first digit, and treat any unrecognized response as being equivalent to the x00 response code of that class, with the exception that an unrecognized response **MUST NOT** be cached. For example, if a client receives an unrecognized response code of 431, it can safely assume that there was something wrong with its request and treat the response as if it had received a 400 (Bad Request) response code. In such cases, user agents **SHOULD** present to the user the message body returned with the response, since that message body is likely to include human-readable information which will explain the unusual status.

Informational	=	"100"	; Trying
		"180"	; Ringing
		"181"	; Call Is Being Forwarded
		"182"	; Queued
Success	=	"200"	; OK

Figure 5: Informational and success status codes

## 6 Header Field Definitions

Redirection	=	"300"	; Multiple Choices
		"301"	; Moved Permanently
		"302"	; Moved Temporarily
		"303"	; See Other
		"305"	; Use Proxy
		"380"	; Alternative Service

Figure 6: Redirection status codes

Client-Error	=	"400"	; Bad Request
		"401"	; Unauthorized
		"402"	; Payment Required
		"403"	; Forbidden
		"404"	; Not Found
		"405"	; Method Not Allowed
		"406"	; Not Acceptable
		"407"	; Proxy Authentication Required
		"408"	; Request Timeout
		"409"	; Conflict
		"410"	; Gone
		"411"	; Length Required
		"413"	; Request Message Body Too Large
		"414"	; Request-URI Too Large
		"415"	; Unsupported Media Type
		"420"	; Bad Extension
		"480"	; Temporarily not available
		"481"	; Call Leg/Transaction Does Not
Exist			
		"482"	; Loop Detected
		"483"	; Too Many Hops
		"484"	; Address Incomplete
		"485"	; Ambiguous
		"486"	; Busy Here

Figure 7: Client error status codes

SIP header fields are similar to HTTP header fields in both syntax and semantics [H4.2, H14]. In general, the ordering of the header fields is not of importance (with the exception of Via fields, see below). The only requirement is that header fields which are hop-by-hop MUST appear before any header fields which are end-to-end.

Server-Error	=	"500"	; Internal Server Error
		"501"	; Not Implemented
		"502"	; Bad Gateway
		"503"	; Service Unavailable
		"504"	; Gateway Timeout
		"505"	; SIP Version not supported

Figure 8: Server error status codes

Global-Failure		"600"	; Busy Everywhere
		"603"	; Decline
		"604"	; Does not exist anywhere
		"606"	; Not Acceptable

Figure 9: Global failure status codes

Proxies MUST NOT reorder or otherwise modify header fields other than by adding a new Via header field, adding another hop-by-hop header field or fixing up the Via header fields with "received" parameters as described in Section 6.40.1. Proxies MUST NOT, for example, change how header fields are broken across lines. This allows an authentication field to be added after the Via header fields that will not be invalidated by proxies.

The header fields required, optional and not applicable for each method are listed in Table 4 and Table 5. The table uses "o" to indicate optional, "m" mandatory and "-" for not applicable. A "\*" indicates that the header fields are needed only if message body is not empty: The Content-Type and Content-Length header fields are required when there is a valid message body (of non-zero length) associated with the message (Section 8).

The "where" column describes the request and response types with which the header field can be used. "R" refers to header fields that can be used in requests (that is, request and general header fields). "r" designates a response or general-header field as applicable to all responses, while a list of numeric values indicates the status codes with which the header field can be used. "g" and "e" designate general (Section 6.1) and entity header (Section 6.2) fields, respectively. If a header field is marked "c", it is copied from the

request to the response.

The "enc." column describes whether this message header field MAY be encrypted end-to-end. A "n" designates fields that MUST NOT be encrypted, while "c" designates fields that SHOULD be encrypted if encryption is used.

The "e-e" column has a value of "e" for end-to-end and a value of "h" for hop-by-hop header fields.

		where	enc.	e-e	ACK	BYE	CAN	INV	OPT
REG									
<hr/>									
o	Accept	R		e	-	-	-	o	o
o	Accept	415		e	-	-	-	o	o
	Accept-Encoding	R		e	-	-	-	o	o

o	Accept-Encoding	415		e	-	-	-	o	o
o	Accept-Language	R		e	-	o	o	o	o
o	Accept-Language	415		e	-	o	o	o	o
o	Allow	200		e	-	-	-	-	m
-	Allow	405		e	o	o	o	o	o
o	Authorization	R		e	o	o	o	o	o
o	Call-ID	gc	n	e	m	m	m	m	m
m	Contact	R		e	o	-	-	o	o
o	Contact	1xx		e	-	-	-	o	o
-	Contact	2xx		e	-	-	-	o	o
o	Contact	3xx		e	-	o	-	o	o
o	Contact	485		e	-	o	-	o	o
o	Content-Encoding	e		e	o	-	-	o	o
o	Content-Length	e		e	o	-	-	o	o
o	Content-Type	e		e	*	-	-	*	*
*	CSeq	gc	n	e	m	m	m	m	m
m	Date	g		e	o	o	o	o	o
o	Encryption	g	n	e	o	o	o	o	o
o	Expires	g		e	-	-	-	o	-
o	From	gc	n	e	m	m	m	m	m
m	Hide	R	n	h	o	o	o	o	o
o	Max-Forwards	R	n	e	o	o	o	o	o
o	Organization	g	c	h	-	-	-	o	o

o

Table 4: Summary of header fields, A--0

Other header fields can be added as required; a server MUST ignore optional header fields that it does not understand. A compact form of these header fields is also defined in Section 9 for use over UDP when the request has to fit into a single packet and size is an

		where	enc.	e-e	ACK	BYE	CAN	INV	OPT
REG									
o o o o - o o o o o	Proxy-Authenticate	407	n	h	o	o	o	o	o
	Proxy-Authorization	R	n	h	o	o	o	o	o
	Proxy-Require	R	n	h	o	o	o	o	o
	Priority	R	c	e	-	-	-	o	-
	Require	R		e	o	o	o	o	o
	Retry-After	R	c	e	-	-	-	-	-
	Retry-After	404,480,486	c	e	o	o	o	o	o
		503	c	e	o	o	o	o	o
		600,603	c	e	o	o	o	o	o
	Response-Key	R	c	e	-	o	o	o	o
o	Record-Route	R		h	o	o	o	o	o

Record-Route	2xx		h	o	o	o	o	o
Route	R		h	-	o	o	o	o
Server	r	c	e	o	o	o	o	o
Subject	R	c	e	-	-	-	o	-
Timestamp	g		e	o	o	o	o	o
To	gc(1)	n	e	m	m	m	m	m
Unsupported	420		e	o	o	o	o	o
User-Agent	g	c	e	o	o	o	o	o
Via	gc(2)	n	e	m	m	m	m	m
Warning	r		e	o	o	o	o	o
WWW-Authenticate	401	c	e	o	o	o	o	o

Table 5: Summary of header fields, P--Z; (1): copied with possible addition of tag; (2): UAS removes first Via header field

issue.

Table 6 in Appendix A lists those header fields that different client and server types MUST be able to parse.

## 6.1 General Header Fields

General header fields apply to both request and response messages. The "general-header" field names can be extended reliably only in combination with a change in the protocol version. However, new or experimental header fields MAY be given the semantics of general header fields if all parties in the communication recognize them to be "general-header" fields. Unrecognized header fields are treated as "entity-header" fields.

## 6.2 Entity Header Fields

The "entity-header" fields define meta-information about the message-body or, if no body is present, about the resource identified

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by the request. The term "entity header" is an HTTP 1.1 term where the response body can contain a transformed version of the message body. The original message body is referred to as the "entity". We retain the same terminology for header fields but usually refer to the "message body" rather than the entity as the two are the same in SIP.

### 6.3 Request Header Fields

The "request-header" fields allow the client to pass additional information about the request, and about the client itself, to the server. These fields act as request modifiers, with semantics equivalent to the parameters of a programming language method invocation.

The "request-header" field names can be extended reliably only in combination with a change in the protocol version. However, new or experimental header fields MAY be given the semantics of "request-header" fields if all parties in the communication recognize them to be request-header fields. Unrecognized header fields are treated as "entity-header" fields.

### 6.4 Response Header Fields

The "response-header" fields allow the server to pass additional information about the response which cannot be placed in the Status-Line. These header fields give information about the server and about further access to the resource identified by the Request-URI.

Response-header field names can be extended reliably only in combination with a change in the protocol version. However, new or experimental header fields MAY be given the semantics of "response-header" fields if all parties in the communication recognize them to be "response-header" fields. Unrecognized header fields are treated as "entity-header" fields.

### 6.5 End-to-end and Hop-by-hop Headers

End-to-end headers MUST be transmitted unmodified across all proxies, while hop-by-hop headers MAY be modified or added by proxies.

## 6.6 Header Field Format

Header fields ("general-header", "request-header", "response-header", and "entity-header") follow the same generic header format as that given in Section 3.1 of RFC 822 [26]. Each header field consists of a name followed by a colon (":") and the field value. Field names are case-insensitive. The field value MAY be preceded by any amount of

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leading white space (LWS), though a single space (SP) is preferred. Header fields can be extended over multiple lines by preceding each extra line with at least one SP or horizontal tab (HT). Applications MUST follow HTTP "common form" when generating these constructs, since there might exist some implementations that fail to accept anything beyond the common forms.

message-header	=	field-name ":" [ field-value ] CRLF
field-name	=	token
field-value	=	*( field-content   LWS )
field-content	=	< the OCTETs making up the field-value and consisting of either *TEXT or combinations of token, tspecials, and quoted-string >

The relative order of header fields with different field names is not significant. Multiple header fields with the same field-name may be present in a message if and only if the entire field-value for that header field is defined as a comma-separated list (i.e., #(values)). It MUST be possible to combine the multiple header fields into one "field-name: field-value" pair, without changing the semantics of the message, by appending each subsequent field-value to the first, each separated by a comma. The order in which header fields with the same field-name are received is therefore significant to the

interpretation of the combined field value, and thus a proxy MUST NOT change the order of these field values when a message is forwarded.

Field names are not case-sensitive, although their values may be.

## 6.7 Accept

See [H14.1] for syntax. This request-header field is used only with the INVITE, OPTIONS and REGISTER request methods to indicate what media types are acceptable in the response.

Example:

Accept: application/sdp;level=1, application/x-private, text/html

## 6.8 Accept-Encoding

The Accept-Encoding request-header field is similar to Accept, but

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restricts the content-codings [H3.4.1] that are acceptable in the response. See [H14.3].

## 6.9 Accept-Language

See [H14.4] for syntax. The Accept-Language request-header field can be used to allow the client to indicate to the server in which language it would prefer to receive reason phrases, session descriptions or status responses carried as message bodies. A proxy MAY use this field to help select the destination for the call, for example, a human operator conversant in a language spoken by the caller.

Example:

Accept-Language: da, en-gb;q=0.8, en;q=0.7

## 6.10 Allow

The Allow entity-header field lists the set of methods supported by the resource identified by the Request-URI. The purpose of this field is strictly to inform the recipient of valid methods associated with the resource. An Allow header field **MUST** be present in a 405 (Method Not Allowed) response and **SHOULD** be present in an OPTIONS response.

Allow = "Allow" ":" 1#Method

## 6.11 Authorization

See [H14.8].

A user agent that wishes to authenticate itself with a server -- usually, but not necessarily, after receiving a 401 response -- **MAY** do so by including an Authorization request-header field with the request. The Authorization field value consists of credentials containing the authentication information of the user agent for the realm of the resource being requested.

## 6.12 Call-ID

The Call-ID general-header field uniquely identifies a particular invitation or all registrations of a particular client. Note that a

single multimedia conference can give rise to several calls with different Call-IDs, e.g., if a user invites a single individual several times to the same (long-running) conference.

For an INVITE request, a callee user agent server **SHOULD NOT** alert

the user if the user has responded previously to the Call-ID in the INVITE request. If the user is already a member of the conference and the conference parameters contained in the session description have not changed, a callee user agent server MAY silently accept the call, regardless of the Call-ID. An invitation for an existing Call-ID or session can change the parameters of the conference. A client application MAY decide to simply indicate to the user that the conference parameters have been changed and accept the invitation automatically or it MAY require user confirmation.

A user may be invited to the same conference or call using several different Call-IDs. If desired, the client MAY use identifiers within the session description to detect this duplication. For example, SDP contains a session id and version number in the origin (o) field.

The REGISTER and OPTIONS methods use the Call-ID value to unambiguously match requests and responses. All REGISTER requests issued by a single client MUST use the same Call-ID.

Since the Call-ID is generated by and for SIP, there is no reason to deal with the complexity of URL-encoding and case-ignoring string comparison.

```
Call-ID      = ( "Call-ID" | "i" ) ":" local-id "@" host
local-id     = 1*uric
```

"host" SHOULD be either a fully qualified domain name or a globally routable IP address. If this is the case, the "local-id" SHOULD be an identifier consisting of URI characters that is unique within "host". Use of cryptographically random identifiers [28] is RECOMMENDED. If, however, host is not an FQDN or globally routable IP address (such as a net 10 address), the local-id MUST be globally unique, as opposed to unique within host. These rules guarantee overall global uniqueness of the Call-ID. The value for Call-ID MUST NOT be reused for a different call. Call-IDs are case-sensitive.

Using cryptographically random identifiers provides some protection against session hijacking. Call-ID, To and From

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are needed to identify a call leg between call and call leg matters in calls with third-party control.

For systems which have tight bandwidth constraints, many of the mandatory SIP headers have a compact form, as discussed in Section 9. These are alternate names for the headers which occupy less space in the message. In the case of Call-ID, the compact form is i.

For example, both of the following are valid:

Call-ID: f81d4fae-7dec-11d0-a765-00a0c91e6bf6@foo.bar.com  
or  
i:f81d4fae-7dec-11d0-a765-00a0c91e6bf6@foo.bar.com

### 6.13 Contact

The Contact general-header field can appear in requests, 1xx, 2xx, and 3xx responses.

INVITE and ACK requests: INVITE and ACK requests MAY contain Contact headers indicating from which location the request is originating.

This allows the callee to send a BYE directly to the caller instead of through a series of proxies. The Via header is not sufficient since the desired address may be that of a proxy.

INVITE 2xx responses: A user agent server sending a definitive, positive response (2xx) MAY insert a Contact response header field indicating the SIP address under which it is reachable most directly for future SIP requests, such as ACK, within the same Call-ID. The Contact header field contains the address of the server itself or that of a proxy, e.g., if the host is behind a firewall. The value of this Contact header is copied into the Request-URI of subsequent requests for this call.

The Contact value SHOULD NOT be cached across calls, as it may not represent the most desirable location for a particular destination address.

INVITE 1xx responses: A UAS sending a provisional response (1xx) MAY insert a Contact response header. It has the same semantics in a 1xx response as a 2xx INVITE response. Note that CANCEL requests MUST NOT be sent to that address, but rather follow the same

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path as the original request.

REGISTER requests: REGISTER requests MAY contain a Contact header field indicating at which locations the user is reachable. The REGISTER request defines a wildcard Contact field, "\*", which MUST only be used with Expires: 0 to remove all registrations for a particular user. An optional "expires" parameter indicates the desired expiration time of the registration. If a Contact entry does not have an "expires" parameter, the Expires header field is used as the default value. If neither of these mechanisms is used, SIP URIs are assumed to expire after one hour. Other URI schemes have no expiration times.

REGISTER 2xx responses: A REGISTER response MAY return all locations at which the user is currently reachable. An optional "expires" parameter indicates the expiration time of the registration. If a Contact entry does not have an "expires" parameter, the value of the Expires header field indicates the expiration time. If neither mechanism is used, the expiration time specified in the request, explicitly or by default, is used.

3xx and 485 responses: The Contact response-header field can be used with a 3xx or 485 (Ambiguous) response codes to indicate one or more alternate addresses to try. It can appear in responses to BYE, INVITE and OPTIONS methods. The Contact header field contains URIs giving the new locations or user names to try, or may simply specify additional transport parameters. A 300 (Multiple Choices), 301 (Moved Permanently), 302 (Moved Temporarily) or 485 (Ambiguous) response SHOULD contain a

Contact field containing URIs of new addresses to be tried. A 301 or 302 response may also give the same location and username that was being tried but specify additional transport parameters such as a different server or multicast address to try or a change of SIP transport from UDP to TCP or vice versa. The client copies the "user", "password", "host", "port" and "user-param" elements of the Contact URI into the Request-URI of the redirected request and directs the request to the address specified by the "maddr" and "port" parameters, using the transport protocol given in the "transport" parameter. If "maddr" is a multicast address, the value of "ttl" is used as the time-to-live value.

Note that the Contact header field MAY also refer to a different entity than the one originally called. For example, a SIP call connected to GSTN gateway may need to deliver a special information announcement such as "The number you have dialed has been changed."

A Contact response header field can contain any suitable URI

indicating where the called party can be reached, not limited to SIP URLs. For example, it can contain a phone or fax,

mailto: (RFC 2368, [29]) or irc: URL.

The following parameters are defined. Additional parameters may be defined in other specifications.

q: The "qvalue" indicates the relative preference among the locations given. "qvalue" values are decimal numbers from 0.0 to 1.0, with higher values indicating higher preference.

action: The "action" parameter is used only when registering with the REGISTER request. It indicates whether the client wishes that the server proxy or redirect future requests intended for the client. If this parameter is not specified the action taken depends on server configuration. In its response, the registrar SHOULD indicate the mode used. This parameter is ignored for

other requests.

expires: The "expires" parameter indicates how long the URI is valid. The parameter is either a number indicating seconds or a quoted string containing an HTTP-date. If this parameter is not provided, the value of the Expires header field determines how long the URI is valid.

```
Contact = ( "Contact" | "m" ) ":" ( "*" | ( 1# ( name-addr | addr-spec
    [ *( ";" contact-params ) ] [ comment ] ) )
```

```
name-addr      = [ display-name ] "<" addr-spec ">"
```

```
addr-spec      = SIP-URL | URI
```

```
display-name   = *token | quoted-string
```

```
contact-params = "q"           "=" qvalue
                | "action"      "=" "proxy" | "redirect"
                | "expires"      "=" delta-seconds | "<" HTTP-date ">"
                | extension-attribute
```

```
extension-attribute = extension-name [ "=" extension-value ]
```

Even if the "display-name" is empty, the "name-addr" form MUST be used if the "addr-spec" contains a comma, semicolon or question mark.

The Contact header field fulfills functionality similar to the Location header field in HTTP. However, the HTTP header

only allows one address, unquoted. Since URIs can contain commas and semicolons as reserved characters, they can be mistaken for header or parameter delimiters, respectively. The current syntax corresponds to that for the To and From header, which also allows the use of display names.

Example:

Contact: "Mr. Watson" <sip:watson@worchester.bell-telephone.com>  
;q=0.7; expires=3600,  
"Mr. Watson" <mailto:watson@bell-telephone.com> ;q=0.1

#### 6.14 Content-Encoding

The Content-Encoding entity-header field is used as a modifier to the "media-type". When present, its value indicates what additional content codings have been applied to the entity-body, and thus what decoding mechanisms MUST be applied in order to obtain the media-type referenced by the Content-Type header field. Content-Encoding is primarily used to allow a document to be compressed without losing the identity of its underlying media type. See [H14.12].

Content-Encoding = ( "Content-Encoding" | "e" ) ":" 1#content-coding

#### 6.15 Content-Length

The Content-Length entity-header field indicates the size of the message-body, in decimal number of octets, sent to the recipient.

Content-Length = ( "Content-Length" | "l" ) ":" 1\*DIGIT

An example is

Content-Length: 3495

Applications SHOULD use this field to indicate the size of the message-body to be transferred, regardless of the media type of the

entity. Any Content-Length greater than or equal to zero is a valid value. If no body is present in a message, then the Content-Length header field MUST be set to zero. If a server receives a UDP request without Content-Length, it MUST assume that the request encompasses the remainder of the packet. If a server receives a UDP request with a Content-Length, but the value is larger than the size of the body sent in the request, the client SHOULD generate a 400 class response. If there is additional data in the UDP packet after the last byte of the body has been read, the server MUST treat the remaining data as a separate message. This allows several messages to be placed in a single UDP packet.

If a response does not contain a Content-Length, the client assumes that it encompasses the remainder of the UDP packet or the data until the TCP connection is closed, as applicable. Section 8 describes how to determine the length of the message body.

#### 6.16 Content-Type

The Content-Type entity-header field indicates the media type of the message-body sent to the recipient. The "media-type" element is defined in [H3.7].

Content-Type = ( "Content-Type" | "c" ) ":" media-type

Examples of this header field are

Content-Type: application/sdp

Content-Type: text/html; charset=ISO-8859-4

#### 6.17 CSeq

Clients MUST add the CSeq (command sequence) general-header field to every request. A CSeq header field in a request contains the request method and a single decimal sequence number chosen by the requesting client, unique within a single value of Call-ID. The sequence number

MUST be expressible as a 32-bit unsigned integer. The initial value of the sequence number is arbitrary, but MUST be less than  $2^{31}$ . Consecutive requests that differ in request method, headers or body, but have the same Call-ID MUST contain strictly monotonically increasing and contiguous sequence numbers; sequence numbers do not wrap around. Retransmissions of the same request carry the same sequence number, but an INVITE with a different message body or

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different header fields (a "re-invitation") acquires a new, higher sequence number. A server MUST echo the CSeq value from the request in its response. If the Method value is missing in the received CSeq header field, the server fills it in appropriately.

The ACK and CANCEL requests MUST contain the same CSeq value as the INVITE request that it refers to, while a BYE request cancelling an invitation MUST have a higher sequence number. A BYE request with a CSeq that is not higher should cause a 400 response to be generated.

A user agent server MUST remember the highest sequence number for any INVITE request with the same Call-ID value. The server MUST respond to, and then discard, any INVITE request with a lower sequence number.

All requests spawned in a parallel search have the same CSeq value as the request triggering the parallel search.

CSeq = "CSeq" ":" 1\*DIGIT Method

Strictly speaking, CSeq header fields are needed for any SIP request that can be cancelled by a BYE or CANCEL request or where a client can issue several requests for the same Call-ID in close succession. Without a sequence number, the response to an INVITE could be mistaken for the response to the cancellation (BYE or CANCEL). Also, if the

network duplicates packets or if an ACK is delayed until the server has sent an additional response, the client could interpret an old response as the response to a re-invitation issued shortly thereafter. Using CSeq also makes it easy for the server to distinguish different versions of an invitation, without comparing the message body.

The Method value allows the client to distinguish the response to an INVITE request from that of a CANCEL response. CANCEL requests can be generated by proxies; if they were to increase the sequence number, it might conflict with a later request issued by the user agent for the same call.

With a length of 32 bits, a server could generate, within a single call, one request a second for about 136 years before needing to wrap around. The initial value of the sequence number is chosen so that subsequent requests within the same call will not wrap around. A non-zero initial value allows to use a time-based initial sequence

number, which protects against ambiguities when clients are re-invited to the same call after rebooting. A client could, for example, choose the 31 most significant bits of a 32-bit second clock as an initial sequence number.

Forked requests MUST have the same CSeq as there would be ambiguity otherwise between these forked requests and later BYE issued by the client user agent.

Example:

CSeq: 4711 INVITE

## 6.18 Date

General-header field. See [H14.19].

The Date header field reflects the time when the request or response is first sent. Thus, retransmissions have the same Date header field value as the original.

The Date header field can be used by simple end systems without a battery-backed clock to acquire a notion of current time.

## 6.19 Encryption

The Encryption general-header field specifies that the content has been encrypted. Section 13 describes the overall SIP security architecture and algorithms. This header field is intended for end-to-end encryption of requests and responses. Requests are encrypted with a public key belonging to the entity named in the To header field. Responses are encrypted with the public key conveyed in the Response-Key header field.

SIP chose not to adopt HTTP's Content-Transfer-Encoding header field because the encrypted body may contain additional SIP header fields as well as the body of the message. See section 13.1.1

For any encrypted message, at least the message body and possibly other message header fields are encrypted. An application receiving a request or response containing an Encryption header field decrypts

the body and then concatenates the plaintext to the request line and headers of the original message. Message headers in the decrypted part completely replace those with the same field name in the plaintext part. (Note: If only the body of the message is to be encrypted, the body has to be prefixed with CRLF to allow proper concatenation.) Note that the request method and Request-URI cannot be encrypted.

Encryption only provides privacy; the recipient has no guarantee that the request or response came from the party listed in the From message header, only that the sender used the recipient's public key. However, proxies will not be able to modify the request or response.

```
1*SP      Encryption          =    "Encryption" ":" encryption-scheme
                                     #encryption-params
      encryption-scheme      =    token
      encryption-params      =    token "=" ( token | quoted-string )
```

The token indicates the form of encryption used; it is described in section 13.

The following example for a message encrypted with ASCII-armored PGP was generated by applying "pgp -ea" to the payload to be encrypted.

Since proxies can base their forwarding decision on any combination of SIP header fields, there is no guarantee that an encrypted request "hiding" header fields will reach the same destination as an otherwise identical un-encrypted request.

## 6.20 Expires

The Expires entity-header field gives the date and time after which the message content expires.

This header field is currently defined only for the REGISTER and INVITE methods. For REGISTER, it is a request and response-header field. In a REGISTER request, the client indicates how long it wishes the registration to be valid. In the response, the server indicates the earliest expiration time of all registrations. The server MAY choose a shorter time interval than that requested by the client, but

INVITE sip:watson@boston.bell-telephone.com SIP/2.0  
Via: SIP/2.0/UDP 169.130.12.5  
From: <sip:a.g.bell@bell-telephone.com>  
To: T. A. Watson <sip:watson@bell-telephone.com>  
Call-ID: 187602141351@worchester.bell-telephone.com  
Content-Length: 885  
Encryption: PGP version=2.6.2,encoding=ascii

hQEMAxkp5GPd+j5xAQf/ZDI fGD/PDOM1wayvwdQAKgGgjmZWe+MTy9NEX8025Red  
h0/pyrd/+DV5C2BYS7yzSOSXaj1C/tTK/4do6rtjhP8QA3vbDdVdaFciwEVAcuXs  
ODxlnAVqyDi1RqFC28BJIvQ5KfEkPuACKTK7WLRsBc7vNPEA3nyqZGBTwhxRSbIR  
RuFEsHsVojdCam4htcqxGnFwD9sksqs6LIyCFaiTAhWtwcCaN437G7mUYzy2KLcA  
zPVGq1VQg83b99zPzIxRdlZ+K7+bAnu8Rtu+ohOCMLV3TPXbyp+err1YiThCZHIu  
X9d0Vj3CMjCP66RSHa/ea0wYTRRNYA/G+kdp8DSUcqYAAAE/hZPX6nFIqk7AVnf6  
IpWHUPTeLNUJpzUp50u+q/5P7ZAsn+cSAuF2YWtVjCf+SQmBR13p2EYYWHoxLA2/  
GgKADYe4M3JSw0tqwU8zUJF3FI fK7vsxmSqtUQrRQaiIhqNyG7KxJt4YjWnEjF5E  
WUIPhvyGFMJaeQXIyGRYZAYvKKklyAJcm29zLACxU5a1X4M25LHQd9FR9Zmq6Jed  
wbWvia6cAIfsvLZ9JGocmQYF7pcuz5pnczqP+/yvRqFJtDGD/v3s++G2R+ViVYJO  
z/lxGUAz4M4IWBCf+4DUjNanZM0oxAE28NjaIZ0rrldDQm08V9FtPKdHxkqA5iJP+  
6vGOFti1Ak4kmEz0vM/Nsv7kkubTFhRl050iJIGr9S1UhenLzv9l6RuXs0Y/EwH2  
z8X9N4MhMyXEVuC9rt8/AUhmVQ==  
=bOW+

SHOULD NOT choose a longer one.

For INVITE requests, it is a request and response-header field. In a request, the caller can limit the validity of an invitation, for example, if a client wants to limit the time duration of a search or a conference invitation. A user interface MAY take this as a hint to leave the invitation window on the screen even if the user is not currently at the workstation. This also limits the duration of a search. If the request expires before the search completes, the proxy returns a 408 (Request Timeout) status. In a 302 (Moved Temporarily) response, a server can advise the client of the maximal duration of the redirection.

The value of this field can be either an HTTP-date or an integer number of seconds (in decimal), measured from the receipt of the request. The latter approach is preferable for short durations, as it does not depend on clients and servers sharing a synchronized clock.

Expires = "Expires" ":" ( HTTP-date | delta-seconds )

Two examples of its use are

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Expires: Thu, 01 Dec 1994 16:00:00 GMT

Expires: 5

## 6.21 From

Requests and responses MUST contain a From general-header field, indicating the initiator of the request. The From field MAY contain the "tag" parameter. The server copies the From header field from the request to the response. The optional "display-name" is meant to be rendered by a human-user interface. A system SHOULD use the display name "Anonymous" if the identity of the client is to remain hidden.

The SIP-URL MUST NOT contain the "transport-param", "maddr-param", "ttl-param", or "headers" elements. A server that receives a SIP-URL with these elements removes them before further processing.

Even if the "display-name" is empty, the "name-addr" form MUST be used if the "addr-spec" contains a comma, question mark, or semicolon.

```
From = ( "From" | "f" ) ":" ( name-addr | addr-spec )
addr-params = tag-param
tag-param = "tag=" UUID
UUID = 1*( hex | "-" )
```

Examples:

```
From: "A. G. Bell" <sip:agb@bell-telephone.com>  
From: sip:+12125551212@server.phone2net.com  
From: Anonymous <sip:c8oqz84zk7z@privacy.org>
```

The "tag" MAY appear in the From field of a request. It MUST be present when it is possible that two instances of a user sharing a SIP address can make call invitations with the same Call-ID.

The "tag" value MUST be globally unique and cryptographically random with at least 32 bits of randomness. A single user maintains the same tag throughout the call identified by the Call-ID.

Call-ID, To and From are needed to identify a call leg leg matters in calls with multiple responses to a forked request. The format is similar to the equivalent RFC 822 [26] header, but with a URI instead of just an email address.

## 6.22 Hide

A client uses the Hide request header field to indicate that it wants the path comprised of the Via header fields (Section 6.40) to be hidden from subsequent proxies and user agents. It can take two forms: Hide: route and Hide: hop. Hide header fields are typically added by the client user agent, but MAY be added by any proxy along the path.

If a request contains the "Hide: route" header field, all following proxies SHOULD hide their previous hop. If a request contains the "Hide: hop" header field, only the next proxy SHOULD hide the previous hop and then remove the Hide option unless it also wants to

remain anonymous.

A server hides the previous hop by encrypting the "host" and "port" parts of the top-most Via header field with an algorithm of its choice. Servers SHOULD add additional "salt" to the "host" and "port" information prior to encryption to prevent malicious downstream proxies from guessing earlier parts of the path based on seeing identical encrypted Via headers. Hidden Via fields are marked with the "hidden" Via option, as described in Section 6.40.

A server that is capable of hiding Via headers MUST attempt to decrypt all Via headers marked as "hidden" to perform loop detection. Servers that are not capable of hiding can ignore hidden Via fields in their loop detection algorithm.

If hidden headers were not marked, a proxy would have to decrypt all headers to detect loops, just in case one was encrypted, as the Hide: Hop option may have been removed along the way.

A host MUST NOT add such a "Hide: hop" header field unless it can guarantee it will only send a request for this destination to the same next hop. The reason for this is that it is possible that the request will loop back through this same hop from a downstream proxy. The loop will be detected by the next hop if the choice of next hop is fixed, but could loop an arbitrary number of times otherwise.

A client requesting "Hide: route" can only rely on keeping the

request path private if it sends the request to a trusted proxy. Hiding the route of a SIP request is of limited value if the request results in data packets being exchanged directly between the calling and called user agent.

The use of Hide header fields is discouraged unless path privacy is truly needed; Hide fields impose extra processing costs and restrictions for proxies and can cause requests to generate 482 (Loop

Detected) responses that could otherwise be avoided.

The encryption of Via header fields is described in more detail in Section 13.

The Hide header field has the following syntax:

```
Hide      =   "Hide" ":" ( "route" | "hop" )
```

### 6.23 Max-Forwards

The Max-Forwards request-header field may be used with any SIP method to limit the number of proxies or gateways that can forward the request to the next downstream server. This can also be useful when the client is attempting to trace a request chain which appears to be failing or looping in mid-chain. [H14.31]

```
Max-Forwards  =   "Max-Forwards" ":" 1*DIGIT
```

The Max-Forwards value is a decimal integer indicating the remaining number of times this request message is allowed to be forwarded.

Each proxy or gateway recipient of a request containing a Max-Forwards header field MUST check and update its value prior to forwarding the request. If the received value is zero (0), the recipient MUST NOT forward the request. Instead, for the OPTIONS and REGISTER methods, it MUST respond as the final recipient. For all other methods, the server returns 483 (Too many hops).

If the received Max-Forwards value is greater than zero, then the forwarded message MUST contain an updated Max-Forwards field with a value decremented by one (1).

Example:

Max-Forwards: 6

## 6.24 Organization

The Organization general-header field conveys the name of the organization to which the entity issuing the request or response belongs. It MAY also be inserted by proxies at the boundary of an organization.

The field MAY be used by client software to filter calls.

Organization = "Organization" ":" \*text

## 6.25 Priority

The Priority request-header field indicates the urgency of the request as perceived by the client.

Priority = "Priority" ":" priority-value  
priority-value = "emergency" | "urgent" | "normal"  
| "non-urgent"

It is RECOMMENDED that the value of "emergency" only be used when life, limb or property are in imminent danger.

Examples:

Subject: A tornado is heading our way!  
Priority: emergency

Subject: Weekend plans  
Priority: non-urgent

These are the values of RFC 2076 [30], with the addition of "emergency".

## 6.26 Proxy-Authenticate

The Proxy-Authenticate response-header field MUST be included as part of a 407 (Proxy Authentication Required) response. The field value consists of a challenge that indicates the authentication scheme and parameters applicable to the proxy for this Request-URI. See [H14.33] for further details.

A client SHOULD cache the credentials used for a particular proxy server and realm for the next request to that server. Credentials are, in general, valid for a specific value of the Request-URI at a particular proxy server. If a client contacts a proxy server that has required authentication in the past, but the client does not have credentials for the particular Request-URI, it MAY attempt to use the most-recently used credential. The server responds with 401 (Unauthorized) if the client guessed wrong.

This suggested caching behavior is motivated by proxies restricting phone calls to authenticated users. It seems likely that in most cases, all destinations require the same password. Note that end-to-end authentication is likely to be destination-specific.

## 6.27 Proxy-Authorization

The Proxy-Authorization request-header field allows the client to identify itself (or its user) to a proxy which requires authentication. The Proxy-Authorization field value consists of credentials containing the authentication information of the user agent for the proxy and/or realm of the resource being requested. See [H14.34] for further details.

## 6.28 Proxy-Require

The Proxy-Require header field is used to indicate proxy-sensitive features that **MUST** be supported by the proxy. Any Proxy-Require header field features that are not supported by the proxy **MUST** be negatively acknowledged by the proxy to the client if not supported. Servers treat this field identically to the Require field.

See Section 6.30 for more details on the mechanics of this message and a usage example.

## 6.29 Record-Route

The Record-Route request and response header field is added to a request by any proxy that insists on being in the path of subsequent

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requests for the same call leg. It contains a globally reachable Request-URI that identifies the proxy server. Each proxy server adds its Request-URI to the beginning of the list.

The server copies the Record-Route header field unchanged into the response. (Record-Route is only relevant for 2xx responses.)

The calling user agent client copies the Record-Route header into a Route header field of subsequent requests within the same call leg, reversing the order of requests, so that the first entry is closest to the user agent client. If the response contained a Contact header field, the calling user agent adds its content as the last Route header. Unless this would cause a loop, any client **MUST** send any subsequent requests for this call leg to the first Request-URI in the Route request header field and remove that entry.

The calling user agent **MUST NOT** use the Record-Route header field in requests that contain Route header fields.

Some proxies, such as those controlling firewalls or in an

automatic call distribution (ACD) system, need to maintain call state and thus need to receive any BYE and ACK packets for the call.

The Record-Route header field has the following syntax:

Record-Route = "Record-Route" ":" 1# name-addr

Proxy servers SHOULD use the "maddr" URL parameter containing their address to ensure that subsequent requests are guaranteed to reach exactly the same server.

Example for a request that has traversed the hosts `ieee.org` and `bell-telephone.com`, in that order:

Record-Route: <sip:a.g.bell@bell-telephone.com>,  
<sip:a.bell@ieee.org>

### 6.30 Require

The Require request-header field is used by clients to tell user agent servers about options that the client expects the server to support in order to properly process the request. If a server does

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not understand the option, it MUST respond by returning status code 420 (Bad Extension) and list those options it does not understand in the Unsupported header.

Require = "Require" ":" 1#option-tag

Example:

```

C->S:  INVITE sip:watson@bell-telephone.com SIP/2.0
        Require: com.example.billing
        Payment: sheep_skins, conch_shells

S->C:  SIP/2.0 420 Bad Extension
        Unsupported: com.example.billing

```

This is to make sure that the client-server interaction will proceed without delay when all options are understood by both sides, and only slow down if options are not understood (as in the example above). For a well-matched client-server pair, the interaction proceeds quickly, saving a round-trip often required by negotiation mechanisms. In addition, it also removes ambiguity when the client requires features that the server does not understand. Some features, such as call handling fields, are only of interest to end systems.

Proxy and redirect servers MUST ignore features that are not understood. If a particular extension requires that intermediate devices support it, the extension MUST be tagged in the Proxy-Require field instead (see Section 6.28).

### 6.31 Response-Key

The Response-Key request-header field can be used by a client to request the key that the called user agent SHOULD use to encrypt the response with. The syntax is:

```

param      Response-Key    =    "Response-Key" ":" key-scheme 1*SP #key-
key-scheme      =    token
key-param      =    token "=" ( token | quoted-string )

```

The "key-scheme" gives the type of encryption to be used for the response. Section 13 describes security schemes.

If the client insists that the server return an encrypted response, it includes a

Require: org.ietf.sip.encrypt-response

header field in its request. If the server cannot encrypt for whatever reason, it MUST follow normal Require header field procedures and return a 420 (Bad Extension) response. If this Require header field is not present, a server SHOULD still encrypt if it can.

## 6.32 Retry-After

The Retry-After general-header field can be used with a 503 (Service Unavailable) response to indicate how long the service is expected to be unavailable to the requesting client and with a 404 (Not Found), 600 (Busy), or 603 (Decline) response to indicate when the called party anticipates being available again. The value of this field can be either an HTTP-date or an integer number of seconds (in decimal) after the time of the response.

A REGISTER request MAY include this header field when deleting registrations with Contact: \* ;expires: 0. The Retry-After value then indicates when the user might again be reachable. The registrar MAY then include this information in responses to future calls.

An optional comment can be used to indicate additional information about the time of callback. An optional "duration" parameter indicates how long the called party will be reachable starting at the initial time of availability. If no duration parameter is given, the service is assumed to be available indefinitely.

```
Retry-After      = "Retry-After" ":" ( HTTP-date | delta-
seconds )
                  [ comment ] [ ";duration" "=" delta-
seconds ]
```

Examples of its use are

```
Retry-After: Mon, 21 Jul 1997 18:48:34 GMT (I'm in a meeting)
Retry-After: Mon, 1 Jan 9999 00:00:00 GMT
```

(Dear John: Don't call me back, ever)  
Retry-After: Fri, 26 Sep 1997 21:00:00 GMT;duration=3600  
Retry-After: 120

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In the third example, the callee is reachable for one hour starting at 21:00 GMT. In the last example, the delay is 2 minutes.

### 6.33 Route

The Route request-header field determines the route taken by a request. Each host removes the first entry and then proxies the request to the host listed in that entry, also using it as the Request-URI. The operation is further described in Section 6.29.

The Route header field has the following syntax:

Route = "Route" ":" 1# name-addr

### 6.34 Server

The Server response-header field contains information about the software used by the user agent server to handle the request. See [H14.39].

### 6.35 Subject

This is intended to provide a summary, or to indicate the nature, of the call, allowing call filtering without having to parse the session description. (Also, the session description does not have to use the same subject indication as the invitation.)

Subject = ( "Subject" | "s" ) ":" \*text

Example:

Subject: Tune in - they are talking about your work!

### 6.36 Timestamp

The timestamp general-header field describes when the client sent the request to the server. The value of the timestamp is of significance only to the client and MAY use any timescale. The server MUST echo the exact same value and MAY, if it has accurate information about this, add a floating point number indicating the number of seconds

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that have elapsed since it has received the request. The timestamp is used by the client to compute the round-trip time to the server so that it can adjust the timeout value for retransmissions.

Timestamp = "Timestamp" ":" \*(DIGIT) [ "." \*(DIGIT) ]  
[ delay ]  
delay = \*(DIGIT) [ "." \*(DIGIT) ]

### 6.37 To

The To general-header field specifies recipient of the request, with the same SIP URL syntax as the From field.

To = ( "To" | "t" ) ":" ( name-addr | addr-spec )  
\*( ";" addr-params )

Requests and responses MUST contain a To general-header field, indicating the desired recipient of the request. The optional "display-name" is meant to be rendered by a human-user interface. The UAS or redirect server copies the To header field into its response, and MUST add a "tag" parameter if the request contained more than one Via header field.

If there was more than one Via header field, the request was handled by at least one proxy server. Since the receiver cannot know whether any of the proxy servers forked the request, it is safest to assume that they might have.

The SIP-URL MUST NOT contain the "transport-param", "maddr-param", "ttl-param", or "headers" elements. A server that receives a SIP-URL with these elements removes them before further processing.

The "tag" parameter serves as a general mechanism to distinguish multiple instances of a user identified by a single SIP URL. As proxies can fork requests, the same request can reach multiple instances of a user (mobile and home phones, for example). As each can respond, there needs to be a means to distinguish the responses from each at the caller. The situation also arises with multicast requests. The tag in the To header field serves to distinguish responses at the UAC. It MUST be placed in the To field of the response by each instance when there is a possibility that the

request was forked at an intermediate proxy. This, in general, means that the "tag" MUST be inserted when the URL in the To does not refer to a fully qualified hostname. The "tag" MUST be added by UAS, registrars and redirect servers, but MUST NOT be inserted into responses forwarded upstream by proxies. The "tag" is added for all definitive responses for all methods, and MAY be added for informational responses from a UAS or redirect server. All subsequent transactions between two entities MUST include the "tag" parameter,

as described in Section 11.

See Section 6.21 for details of the "tag" parameter.

The "tag" parameter in To headers is ignored when matching responses to requests that did not contain a "tag" in their To header.

A SIP server returns a 400 (Bad Request) response if it receives a request with a To header field containing a URI with a scheme it does not recognize.

The following are examples of valid To headers:

```
To: The Operator <sip:operator@cs.columbia.edu>;tag=287447
To: sip:+12125551212@server.phone2net.com
```

Call-ID, To and From are needed to identify a call leg. The distinction between call and call leg matters in calls with multiple responses from a forked request. The "tag" is added to the To header field in the response to allow forking of future requests for the same call by proxies, while addressing only one of the possibly several responding user agent servers. It also allows several instances of the callee to send requests that can be distinguished.

### 6.38 Unsupported

The Unsupported response-header field lists the features not supported by the server. See Section 6.30 for a usage example and motivation.

### 6.39 User-Agent

The User-Agent general-header field contains information about the client user agent originating the request. See [H14.42].

## 6.40 Via

The Via field indicates the path taken by the request so far. This prevents request looping and ensures replies take the same path as the requests, which assists in firewall traversal and other unusual routing situations.

### 6.40.1 Requests

The client originating the request MUST insert into the request a Via field containing its host name or network address and, if not the default port number, the port number at which it wishes to receive responses. (Note that this port number can differ from the UDP source port number of the request.) A fully-qualified domain name is RECOMMENDED. Each subsequent proxy server that sends the request onwards MUST add its own additional Via field before any existing Via fields. A proxy that receives a redirection (3xx) response and then searches recursively, MUST use the same Via headers as on the original request.

A proxy SHOULD check the top-most Via header field to ensure that it contains the sender's correct network address, as seen from that proxy. If the sender's address is incorrect, the proxy MUST add an additional "received" attribute, as described 6.40.2.

A host behind a network address translator (NAT) or firewall may not be able to insert a network address into the Via header that can be reached by the next hop beyond the NAT. Hosts behind NATs or NAPT's MUST insert the local port number of the outgoing socket, rather than the port number for incoming requests, as NAPT's assume that responses return with reversed source and destination ports.

A proxy sending a request to a multicast address MUST add the "maddr" parameter to its Via header field, and SHOULD add the "ttl" parameter. If a server receives a request which contained an "maddr" parameter in the topmost Via field, it SHOULD send the response to the multicast address listed in the "maddr" parameter.

If a proxy server receives a request which contains its own address in the Via header value, it MUST respond with a 482 (Loop Detected)

status code.

A proxy server **MUST NOT** forward a request to a multicast group which already appears in any of the Via headers.

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This prevents a malfunctioning proxy server from causing loops. Also, it cannot be guaranteed that a proxy server can always detect that the address returned by a location service refers to a host listed in the Via list, as a single host may have aliases or several network interfaces.

#### 6.40.2 Receiver-tagged Via Header Fields

Normally, every host that sends or forwards a SIP message adds a Via field indicating the path traversed. However, it is possible that Network Address Translators (NAT) changes the source address and port of the request (e.g., from net-10 to a globally routable address), in which case the Via header field cannot be relied on to route replies. To prevent this, a proxy **SHOULD** check the top-most Via header field to ensure that it contains the sender's correct network address, as seen from that proxy. If the sender's address is incorrect, the proxy **MUST** add a "received" parameter to the Via header field inserted by the previous hop. Such a modified Via header field is known as a receiver-tagged Via header field. An example is:

```
Via: SIP/2.0/UDP erlang.bell-telephone.com:5060
```

```
Via: SIP/2.0/UDP 10.0.0.1:5060 ;received=199.172.136.3
```

In this example, the message originated from 10.0.0.1 and traversed a NAT with the external address border.ieee.org (199.172.136.3) to reach erlang.bell-telephone.com and added a parameter to the previous hop's Via header field, containing the address that the packet actually came from. (Note that the NAT border.ieee.org is not a SIP server.)

### 6.40.3 Responses

Via header fields in responses are processed by a proxy or UAC according to the following rules:

1. The first Via header field should indicate the proxy or client processing this response. If it does not, discard the message. Otherwise, remove this Via field.
2. If there is no second Via header field, this response is destined for this client. Otherwise, the processing depends on whether the Via field contains a "maddr" parameter or is a receiver-tagged field:
  - If the second Via header field contains a "maddr"

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parameter, send the response to the multicast address listed there, using the port indicated in "sent-by", or port 5060 if none is present. The response SHOULD be sent using the TTL indicated in the "ttl" parameter, or with a TTL of 1 if that parameter is not present. For robustness, responses MUST be sent to the address indicated in the "maddr" parameter even if it is not a multicast address.

- If the second Via header field does not contain a "maddr" parameter and is a receiver-tagged field (Section 6.40.2), send the message to the address in the "received" parameter, using the port indicated in the "sent-by" value, or using port 5060 if none is present.
- If neither of the previous cases apply, send the message to the address indicated by the "sent-by" value in the second Via header field.

### 6.40.4 User Agent and Redirect Servers

A UAS or redirect server sends a response based on one of the following rules:

- o If the first Via header field in the request contains a "maddr" parameter, send the response to the multicast address listed there, using the port indicated in "sent-by", or port 5060 if none is present. The response SHOULD be sent using the TTL indicated in the "ttl" parameter, or with a TTL of 1 if that parameter is not present. For robustness, responses MUST be sent to the address indicated in the "maddr" parameter even if it is not a multicast address.
- o If the address in the "sent-by" value of the first Via field differs from the source address of the packet, send the response to the actual packet source address, similar to the treatment for receiver-tagged Via header fields (Section 6.40.2).
- o If neither of these conditions is true, send the response to the address contained in the "sent-by" value. If the request was sent using TCP, use the existing TCP connection if available.

#### 6.40.5 Syntax

The format for a Via header field is shown in Fig. 10. The defaults for "protocol-name" and "transport" are "SIP" and "UDP",

respectively. The "maddr" parameter, designating the multicast address, and the "ttl" parameter, designating the time-to-live (TTL) value, are included only if the request was sent via multicast. The "received" parameter is added only for receiver-added Via fields (Section 6.40.2). For reasons of privacy, a client or proxy may wish to hide its Via information by encrypting it (see Section 6.22). The "hidden" parameter is included if this header field was hidden by the upstream proxy (see 6.22). Note that privacy of the proxy relies on the cooperation of the next hop, as the next-hop proxy will, by necessity, know the IP address and port number of the source host.

```

Via           = ( "Via" $!$ "v") ":" 1#( sent-protocol sent-by
                *( ";" via-params ) [ comment ] )
via-params    = via-hidden | via-ttl | via-maddr
                | via-received | via-branch
via-hidden    = "hidden"
via-ttl       = "ttl" "=" ttl
via-maddr     = "maddr" "=" maddr
via-received  = "received" "=" host
via-branch    = "branch" "=" token
sent-protocol = protocol-name "/" protocol-version "/" transport
protocol-name = "SIP" $!$ token
protocol-version = token
transport     = "UDP" $!$ "TCP" $!$ token
sent-by       = ( host [ ":" port ] ) $!$ ( concealed-host )
concealed-host = token
ttl           = 1*3DIGIT      ; 0 to 255

```

Figure 10: Syntax of Via header field

The "branch" parameter is included by every forking proxy. The token MUST be unique for each distinct request generated when a proxy forks. When a response arrives at the proxy it can use the branch value to figure out which branch the response corresponds to. A proxy which generates a single request (non-forking) MAY also insert the "branch" parameter. The identifier has to be unique only within a set of isomorphic requests.

```

Via: SIP/2.0/UDP first.example.com:4000;ttl=16
    ;maddr=224.2.0.1 (Example)
Via: SIP/2.0/UDP adk8

```

## 6.41 Warning

The Warning response-header field is used to carry additional information about the status of a response. Warning headers are sent with responses and have the following format:

```
Warning           = "Warning" ":" 1#warning-value
warning-value     = warn-code SP warn-agent SP warn-text
warn-code         = 3DIGIT
warn-agent        = ( host [ ":" port ] ) | pseudonym
                  ; the name or pseudonym of the server
adding
                  ; the Warning header, for use in
debugging
warn-text         = quoted-string
```

A response MAY carry more than one Warning header.

The "warn-text" should be in a natural language that is most likely to be intelligible to the human user receiving the response. This decision can be based on any available knowledge, such as the location of the cache or user, the Accept-Language field in a request, or the Content-Language field in a response. The default language is English.

Any server MAY add Warning headers to a response. Proxy servers MUST place additional Warning headers before any Authorization headers. Within that constraint, Warning headers MUST be added after any existing Warning headers not covered by a signature. A proxy server MUST NOT delete any Warning header field that it received with a response.

When multiple Warning headers are attached to a response, the user agent SHOULD display as many of them as possible, in the order that they appear in the response. If it is not possible to display all of the warnings, the user agent first displays warnings that appear early in the response.

The warn-code consists of three digits. A first digit of "3" indicates warnings specific to SIP.

This is a list of the currently-defined "warn-code"s, each with a

recommended warn-text in English, and a description of its meaning. Note that these warnings describe failures induced by the session description.

Warnings 300 through 329 are reserved for indicating problems with

keywords in the session description, 330 through 339 are warnings related to basic network services requested in the session description, 370 through 379 are warnings related to quantitative QoS parameters requested in the session description, and 390 through 399 are miscellaneous warnings that do not fall into one of the above categories.

- 300 Incompatible network protocol: One or more network protocols contained in the session description are not available.
- 301 Incompatible network address formats: One or more network address formats contained in the session description are not available.
- 302 Incompatible transport protocol: One or more transport protocols described in the session description are not available.
- 303 Incompatible bandwidth units: One or more bandwidth measurement units contained in the session description were not understood.
- 304 Media type not available: One or more media types contained in the session description are not available.
- 305 Incompatible media format: One or more media formats contained in the session description available.
- 306 Attribute not understood: One or more of the media attributes in the session description are not supported.
- 307 Session description parameter not understood: A parameter other than those listed above was not understood.
- 330 Multicast not available: The site where the user is located does

not support multicast.

331 Unicast not available: The site where the user is located does not support unicast communication (usually due to the presence of a firewall).

370 Insufficient bandwidth: The bandwidth specified in the session description or defined by the media exceeds that known to be available.

399 Miscellaneous warning: The warning text can include arbitrary information to be presented to a human user, or logged. A system receiving this warning MUST NOT take any automated action.

1xx and 2xx have been taken by HTTP/1.1.

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Additional "warn-code"s, as in the example below, can be defined through IANA.

Examples:

Warning: 307 isi.edu "Session parameter 'foo' not understood"

Warning: 301 isi.edu "Incompatible network address type 'E.164'"

## 6.42 WWW-Authenticate

The WWW-Authenticate response-header field MUST be included in 401 (Unauthorized) response messages. The field value consists of at least one challenge that indicates the authentication scheme(s) and parameters applicable to the Request-URI. See [H14.46] and [31].

The content of the "realm" parameter SHOULD be displayed to the user. A user agent SHOULD cache the authorization credentials for a given value of the destination (To header) and "realm" and attempt to re-

use these values on the next request for that destination.

In addition to the "basic" and "digest" authentication schemes defined in the specifications cited above, SIP defines a new scheme, PGP (RFC 2015, [32]), Section 14. Other schemes, such as S-MIME, are for further study.

## 7 Status Code Definitions

The response codes are consistent with, and extend, HTTP/1.1 response codes. Not all HTTP/1.1 response codes are appropriate, and only those that are appropriate are given here. Other HTTP/1.1 response codes SHOULD NOT be used. Response codes not defined by HTTP/1.1 have codes x80 upwards to avoid clashes with future HTTP response codes. Also, SIP defines a new class, 6xx. The default behavior for unknown response codes is given for each category of codes.

### 7.1 Informational 1xx

Informational responses indicate that the server or proxy contacted is performing some further action and does not yet have a definitive response. The client SHOULD wait for a further response from the server, and the server SHOULD send such a response without further prompting. A server SHOULD send a 1xx response if it expects to take more than 200 ms to obtain a final response. A server MAY issue zero or more 1xx responses, with no restriction on their ordering or uniqueness. Note that 1xx responses are not transmitted reliably,

that is, they do not cause the client to send an ACK. Servers are free to retransmit informational responses and clients can inquire about the current state of call processing by re-sending the request.

#### 7.1.1 100 Trying

Some unspecified action is being taken on behalf of this call (e.g., a database is being consulted), but the user has not yet been located.

### 7.1.2 180 Ringing

The called user agent has located a possible location where the user has registered recently and is trying to alert the user.

### 7.1.3 181 Call Is Being Forwarded

A proxy server MAY use this status code to indicate that the call is being forwarded to a different set of destinations. The new destinations are listed in Contact headers. Proxies SHOULD be configurable not to reveal this information.

### 7.1.4 182 Queued

The called party is temporarily unavailable, but the callee has decided to queue the call rather than reject it. When the callee becomes available, it will return the appropriate final status response. The reason phrase MAY give further details about the status of the call, e.g., "5 calls queued; expected waiting time is 15 minutes". The server MAY issue several 182 responses to update the caller about the status of the queued call.

## 7.2 Successful 2xx

The request was successful and MUST terminate a search.

### 7.2.1 200 OK

The request has succeeded. The information returned with the response depends on the method used in the request, for example:

BYE: The call has been terminated. The message body is empty.

CANCEL: The search has been cancelled. The message body is empty.

INVITE: The callee has agreed to participate; the message body indicates the callee's capabilities.

OPTIONS: The callee has agreed to share its capabilities, included in the message body.

REGISTER: The registration has succeeded. The client treats the message body according to its Content-Type.

### 7.3 Redirection 3xx

3xx responses give information about the user's new location, or about alternative services that might be able to satisfy the call. They SHOULD terminate an existing search, and MAY cause the initiator to begin a new search if appropriate.

Any redirection (3xx) response MUST NOT suggest any of the addresses in the Via (Section 6.40) path of the request in the Contact header field. (Addresses match if their host and port number match.)

To avoid forwarding loops, a user agent client or proxy MUST check whether the address returned by a redirect server equals an address tried earlier.

#### 7.3.1 300 Multiple Choices

The address in the request resolved to several choices, each with its own specific location, and the user (or user agent) can select a preferred communication end point and redirect its request to that location.

The response SHOULD include an entity containing a list of resource characteristics and location(s) from which the user or user agent can choose the one most appropriate, if allowed by the Accept request header. The entity format is specified by the media type given in the Content-Type header field. The choices SHOULD also be listed as Contact fields (Section 6.13). Unlike HTTP, the SIP response MAY contain several Contact fields or a list of addresses in a Contact field. User agents MAY use the Contact header field value for automatic redirection or MAY ask the user to confirm a choice. However, this specification does not define any standard for such automatic selection.

This status response is appropriate if the callee can be reached at several different locations and the server cannot or prefers not to proxy the request.

### 7.3.2 301 Moved Permanently

The user can no longer be found at the address in the Request-URI and

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the requesting client SHOULD retry at the new address given by the Contact header field (Section 6.13). The caller SHOULD update any local directories, address books and user location caches with this new value and redirect future requests to the address(es) listed.

### 7.3.3 302 Moved Temporarily

The requesting client SHOULD retry the request at the new address(es) given by the Contact header field (Section 6.13). The duration of the redirection can be indicated through an Expires (Section 6.20) header.

### 7.3.4 380 Alternative Service

The call was not successful, but alternative services are possible. The alternative services are described in the message body of the response. Formats for such bodies are not defined here, and may be the subject of future standardization.

## 7.4 Request Failure 4xx

4xx responses are definite failure responses from a particular server. The client SHOULD NOT retry the same request without modification (e.g., adding appropriate authorization). However, the same request to a different server might be successful.

### 7.4.1 400 Bad Request

The request could not be understood due to malformed syntax.

### 7.4.2 401 Unauthorized

The request requires user authentication.

#### 7.4.3 402 Payment Required

Reserved for future use.

#### 7.4.4 403 Forbidden

The server understood the request, but is refusing to fulfill it. Authorization will not help, and the request SHOULD NOT be repeated.

#### 7.4.5 404 Not Found

The server has definitive information that the user does not exist at the domain specified in the Request-URI. This status is also returned if the domain in the Request-URI does not match any of the domains

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handled by the recipient of the request.

#### 7.4.6 405 Method Not Allowed

The method specified in the Request-Line is not allowed for the address identified by the Request-URI. The response MUST include an Allow header field containing a list of valid methods for the indicated address.

#### 7.4.7 406 Not Acceptable

The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept headers sent in the request.

#### 7.4.8 407 Proxy Authentication Required

This code is similar to 401 (Unauthorized), but indicates that the client MUST first authenticate itself with the proxy. The proxy MUST return a Proxy-Authenticate header field (section 6.26) containing a challenge applicable to the proxy for the requested resource. The client MAY repeat the request with a suitable Proxy-Authorization header field (section 6.27). SIP access authentication is explained

in section 13.2 and [H11].

This status code is used for applications where access to the communication channel (e.g., a telephony gateway) rather than the callee herself requires authentication.

#### 7.4.9 408 Request Timeout

The server could not produce a response, e.g., a user location, within the time indicated in the Expires request-header field. The client MAY repeat the request without modifications at any later time.

#### 7.4.10 409 Conflict

The request could not be completed due to a conflict with the current state of the resource. This response is returned if the action parameter in a REGISTER request conflicts with existing registrations.

#### 7.4.11 410 Gone

The requested resource is no longer available at the server and no forwarding address is known. This condition is expected to be considered permanent. If the server does not know, or has no facility

to determine, whether or not the condition is permanent, the status code 404 (Not Found) SHOULD be used instead.

#### 7.4.12 411 Length Required

The server refuses to accept the request without a defined Content-Length. The client MAY repeat the request if it adds a valid Content-Length header field containing the length of the message-body in the request message.

#### 7.4.13 413 Request Entity Too Large

The server is refusing to process a request because the request entity is larger than the server is willing or able to process. The server MAY close the connection to prevent the client from continuing the request.

If the condition is temporary, the server SHOULD include a Retry-After header field to indicate that it is temporary and after what time the client MAY try again.

#### 7.4.14 414 Request-URI Too Long

The server is refusing to service the request because the Request-URI is longer than the server is willing to interpret.

#### 7.4.15 415 Unsupported Media Type

The server is refusing to service the request because the message body of the request is in a format not supported by the requested resource for the requested method.

The server SHOULD return a list of acceptable formats using the Accept, Accept-Encoding and Accept-Language header fields.

#### 7.4.16 420 Bad Extension

The server did not understand the protocol extension specified in a Require (Section 6.30) header field.

#### 7.4.17 480 Temporarily Unavailable

The callee's end system was contacted successfully but the callee is currently unavailable (e.g., not logged in or logged in in such a manner as to preclude communication with the callee). The response MAY indicate a better time to call in the Retry-After header. The user could also be available elsewhere (unknownst to this host), thus, this response does not terminate any searches. The reason

phrase SHOULD indicate a more precise cause as to why the callee is

unavailable. This value SHOULD be settable by the user agent. Status 486 (Busy Here) MAY be used to more precisely indicate a particular reason for the call failure.

#### 7.4.18 481 Call Leg/Transaction Does Not Exist

This status is returned under two conditions: The server received a BYE request that does not match any existing call leg or the server received a CANCEL request that does not match any existing transaction. (A server simply discards an ACK referring to an unknown transaction.)

#### 7.4.19 482 Loop Detected

The server received a request with a Via (Section 6.40) path containing itself.

#### 7.4.20 483 Too Many Hops

The server received a request that contains more Via entries (hops) (Section 6.40) than allowed by the Max-Forwards (Section 6.23) header field.

#### 7.4.21 484 Address Incomplete

The server received a request with a To (Section 6.37) address or Request-URI that was incomplete. Additional information SHOULD be provided.

This status code allows overlapped dialing. With overlapped dialing, the client does not know the length of the dialing string. It sends strings of increasing lengths, prompting the user for more input, until it no longer receives a 484 status response.

#### 7.4.22 485 Ambiguous

The callee address provided in the request was ambiguous. The response MAY contain a listing of possible unambiguous addresses in Contact headers.

Revealing alternatives can infringe on privacy concerns of the user or the organization. It MUST be possible to configure a server to respond with status 404 (Not Found) or to suppress the listing of possible choices if the request address was ambiguous.

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Example response to a request with the URL lee@example.com :

485 Ambiguous SIP/2.0

Contact: Carol Lee <sip:carol.lee@example.com>

Contact: Ping Lee <sip:p.lee@example.com>

Contact: Lee M. Foote <sip:lee.foote@example.com>

Some email and voice mail systems provide this functionality. A status code separate from 3xx is used since the semantics are different: for 300, it is assumed that the same person or service will be reached by the choices provided. While an automated choice or sequential search makes sense for a 3xx response, user intervention is required for a 485 response.

#### 7.4.23 486 Busy Here

The callee's end system was contacted successfully but the callee is currently not willing or able to take additional calls. The response MAY indicate a better time to call in the Retry-After header. The user could also be available elsewhere, such as through a voice mail service, thus, this response does not terminate any searches. Status 600 (Busy Everywhere) SHOULD be used if the client knows that no other end system will be able to accept this call.

#### 7.5 Server Failure 5xx

5xx responses are failure responses given when a server itself has erred. They are not definitive failures, and MUST NOT terminate a search if other possible locations remain untried.

##### 7.5.1 500 Server Internal Error

The server encountered an unexpected condition that prevented it from fulfilling the request. The client MAY display the specific error condition, and MAY retry the request after several seconds.

#### 7.5.2 501 Not Implemented

The server does not support the functionality required to fulfill the request. This is the appropriate response when the server does not recognize the request method and is not capable of supporting it for any user.

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#### 7.5.3 502 Bad Gateway

The server, while acting as a gateway or proxy, received an invalid response from the downstream server it accessed in attempting to fulfill the request.

#### 7.5.4 503 Service Unavailable

The server is currently unable to handle the request due to a temporary overloading or maintenance of the server. The implication is that this is a temporary condition which will be alleviated after some delay. If known, the length of the delay MAY be indicated in a Retry-After header. If no Retry-After is given, the client MUST handle the response as it would for a 500 response.

Note: The existence of the 503 status code does not imply that a server has to use it when becoming overloaded. Some servers MAY wish to simply refuse the connection.

#### 7.5.5 504 Gateway Timeout

The server, while acting as a gateway, did not receive a timely response from the server (e.g., a location server) it accessed in attempting to complete the request.

### 7.5.6 505 Version Not Supported

The server does not support, or refuses to support, the SIP protocol version that was used in the request message. The server is indicating that it is unable or unwilling to complete the request using the same major version as the client, other than with this error message. The response MAY contain an entity describing why that version is not supported and what other protocols are supported by that server. The format for such an entity is not defined here and may be the subject of future standardization.

## 7.6 Global Failures 6xx

6xx responses indicate that a server has definitive information about a particular user, not just the particular instance indicated in the Request-URI. All further searches for this user are doomed to failure and pending searches SHOULD be terminated.

### 7.6.1 600 Busy Everywhere

The callee's end system was contacted successfully but the callee is busy and does not wish to take the call at this time. The response MAY indicate a better time to call in the Retry-After header. If the

callee does not wish to reveal the reason for declining the call, the callee uses status code 603 (Decline) instead. This status response is returned only if the client knows that no other end point (such as a voice mail system) will answer the request. Otherwise, 486 (Busy Here) should be returned.

### 7.6.2 603 Decline

The callee's machine was successfully contacted but the user explicitly does not wish to or cannot participate. The response MAY indicate a better time to call in the Retry-After header.

### 7.6.3 604 Does Not Exist Anywhere

The server has authoritative information that the user indicated in the To request field does not exist anywhere. Searching for the user elsewhere will not yield any results.

#### 7.6.4 606 Not Acceptable

The user's agent was contacted successfully but some aspects of the session description such as the requested media, bandwidth, or addressing style were not acceptable.

A 606 (Not Acceptable) response means that the user wishes to communicate, but cannot adequately support the session described. The 606 (Not Acceptable) response MAY contain a list of reasons in a Warning header field describing why the session described cannot be supported. Reasons are listed in Section 6.41. It is hoped that negotiation will not frequently be needed, and when a new user is being invited to join an already existing conference, negotiation may not be possible. It is up to the invitation initiator to decide whether or not to act on a 606 (Not Acceptable) response.

### 8 SIP Message Body

#### 8.1 Body Inclusion

Requests MAY contain message bodies unless otherwise noted. Within this specification, the BYE request MUST NOT contain a message body. For ACK, INVITE and OPTIONS, the message body is always a session description. The use of message bodies for REGISTER requests is for further study.

For response messages, the request method and the response status code determine the type and interpretation of any message body. All responses MAY include a body. Message bodies for 1xx responses contain advisory information about the progress of the request. 2xx

responses to INVITE requests contain session descriptions. In 3xx responses, the message body MAY contain the description of alternative destinations or services, as described in Section 7.3. For responses

with status 400 or greater, the message body MAY contain additional, human-readable information about the reasons for failure. It is RECOMMENDED that information in 1xx and 300 and greater responses be of type text/plain or text/html

## 8.2 Message Body Type

The Internet media type of the message body MUST be given by the Content-Type header field. If the body has undergone any encoding (such as compression) then this MUST be indicated by the Content-Encoding header field, otherwise Content-Encoding MUST be omitted. If applicable, the character set of the message body is indicated as part of the Content-Type header-field value.

## 8.3 Message Body Length

The body length in bytes SHOULD be given by the Content-Length header field. Section 6.15 describes the behavior in detail.

The "chunked" transfer encoding of HTTP/1.1 MUST NOT be used for SIP. (Note: The chunked encoding modifies the body of a message in order to transfer it as a series of chunks, each with its own size indicator.)

## 9 Compact Form

When SIP is carried over UDP with authentication and a complex session description, it may be possible that the size of a request or response is larger than the MTU. To address this problem, a more compact form of SIP is also defined by using abbreviations for the common header fields listed below:

short field name	long field name	note
c	Content-Type	
e	Content-Encoding	
f	From	
i	Call-ID	
m	Contact	from "moved"
l	Content-Length	
s	Subject	
t	To	
v	Via	

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Thus, the message in section 15.2 could also be written:

```
INVITE sip:schooler@vlsi.caltech.edu SIP/2.0
v:SIP/2.0/UDP 131.215.131.131;maddr=239.128.16.254;ttl=16
v:SIP/2.0/UDP 128.16.64.19
f:sip:mjh@isi.edu
t:sip:schooler@cs.caltech.edu
i:62729-27@128.16.64.19
c:application/sdp
CSeq: 4711 INVITE
l:187

v=0
o=user1 53655765 2353687637 IN IP4 128.3.4.5
s=Mbone Audio
i=Discussion of Mbone Engineering Issues
e=mbone@somewhere.com
c=IN IP4 224.2.0.1/127
t=0 0
m=audio 3456 RTP/AVP 0
```

Clients MAY mix short field names and long field names within the same request. Servers MUST accept both short and long field names for requests. Proxies MAY change header fields between their long and short forms, but this MUST NOT be done to fields following an Authorization header.

## 10 Behavior of SIP Clients and Servers

### 10.1 General Remarks

SIP is defined so it can use either UDP (unicast or multicast) or TCP as a transport protocol; it provides its own reliability mechanism.

### 10.1.1 Requests

Servers discard isomorphic requests, but first retransmit the appropriate response. (SIP requests are said to be idempotent , i.e., receiving more than one copy of a request does not change the server state.)

After receiving a CANCEL request from an upstream client, a stateful proxy server MAY send a CANCEL on all branches where it has not yet received a final response.

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When a user agent receives a request, it checks the Call-ID against those of in-progress calls. If the Call-ID was found, it compares the tag value of To with the user's tag and rejects the request if the two do not match. If the From header, including any tag value, matches the value for an existing call leg, the server compares the CSeq header field value. If less than or equal to the current sequence number, the request is a retransmission. Otherwise, it is a new request. If the From header does not match an existing call leg, a new call leg is created.

If the Call-ID was not found, a new call leg is created, with entries for the To, From and Call-ID headers. In this case, the To header field should not have contained a tag. The server returns a response containing the same To value, but with a unique tag added. The tag MAY be omitted if the To refers to a fully qualified host name.

### 10.1.2 Responses

A server MAY issue one or more provisional responses at any time before sending a final response. If a stateful proxy, user agent server, redirect server or registrar cannot respond to a request with a final response within 200 ms, it MUST issue a provisional (1xx) response as soon as possible. Stateless proxies MUST NOT issue provisional responses on their own.

Responses are mapped to requests by the matching To, From, Call-ID, CSeq headers and the branch parameter of the first Via header.

Responses terminate request retransmissions even if they have Via headers that cause them to be delivered to an upstream client.

A stateful proxy may receive a response that it does not have state for, that is, where it has no record of an associated request. If the Via header field indicates that the upstream server used TCP, the proxy actively opens a TCP connection to that address. Thus, proxies have to be prepared to receive responses on the incoming side of passive TCP connections, even though most responses will arrive on the incoming side of an active connection. (An active connection is a TCP connection initiated by the proxy, a passive connection is one accepted by the proxy, but initiated by another entity.)

100 responses SHOULD NOT be forwarded, other 1xx responses MAY be forwarded, possibly after the server eliminates responses with status codes that had already been sent earlier. 2xx responses are forwarded according to the Via header. Once a stateful proxy has received a 2xx response, it MUST NOT forward non-2xx final responses. Responses with status 300 and higher are retransmitted by each stateful proxy until the next upstream proxy sends an ACK (see below for timing details) or CANCEL.

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A stateful proxy SHOULD maintain state for at least 32 seconds after the receipt of the first definitive non-200 response, in order to handle retransmissions of the response.

The 32 second window is given by the maximum retransmission duration of 200-class responses using the default timers, in case the ACK is lost somewhere on the way to the called user agent or the next stateful proxy.

## 10.2 Source Addresses, Destination Addresses and Connections

### 10.2.1 Unicast UDP

Responses are returned to the address listed in the Via header field (Section 6.40), not the source address of the request.

Recall that responses are not generated by the next-hop stateless server, but generated by either a proxy server or the user agent server. Thus, the stateless proxy can only use the Via header field to forward the response.

### 10.2.2 Multicast UDP

Requests MAY be multicast; multicast requests likely feature a host-independent Request-URI. This request SHOULD be scoped to ensure it is not forwarded beyond the boundaries of the administrative system. This MAY be done with either TTL or administrative scopes[27], depending on what is implemented in the network. However, use of administrative scoping is RECOMMENDED.

A client receiving a multicast query does not have to check whether the host part of the Request-URI matches its own host or domain name.

If the request was received via multicast, the response is also returned via multicast. Responses to multicast requests are multicast with the same TTL as the request, where the TTL is derived from the ttl parameter in the Via header (Section 6.40).

To avoid response implosion, servers MUST NOT answer multicast requests with a status code other than 2xx or 6xx. The server delays its response by a random interval uniformly distributed between zero and one second. Servers MAY suppress responses if they hear a lower-numbered or 6xx response from another group member prior to sending. Servers do not respond to CANCEL requests received via multicast to avoid request implosion. A proxy or UAC SHOULD send a CANCEL on receiving the first 2xx or 6xx response to a multicast request.

Server response suppression is a MAY since it requires a server to violate some basic message processing rules. Lets say A sends a multicast request, and it is received by B,C, and D. B sends a 200 response. The topmost Via field in the

response will contain the address of A. C will also receive this response, and could use it to suppress its own response. However, C would normally not examine this response, as the topmost Via is not its own. Normally, a response received with an incorrect topmost Via MUST be dropped, but not in this case. To distinguish this packet from a misrouted or multicast looped packet is fairly complex, and for this reason the procedure is a MAY. The CANCEL, instead, provides a simpler and more standard way to perform response suppression. It is for this reason that the use of CANCEL here is a SHOULD

### 10.3 TCP

A single TCP connection can serve one or more SIP transactions. A transaction contains zero or more provisional responses followed by one or more final responses. (Typically, transactions contain exactly one final response, but there are exceptional circumstances, where, for example, multiple 200 responses can be generated.)

The client SHOULD keep the connection open at least until the first final response arrives. If the client closes or resets the TCP connection prior to receiving the first final response, the server treats this action as equivalent to a CANCEL request.

This behavior makes it less likely that malfunctioning clients cause a proxy server to keep connection state indefinitely.

The server SHOULD NOT close the TCP connection until it has sent its final response, at which point it MAY close the TCP connection if it wishes to. However, normally it is the client's responsibility to close the connection.

If the server leaves the connection open, and if the client so desires it MAY re-use the connection for further SIP requests or for requests from the same family of protocols (such as HTTP or stream control commands).

If a server needs to return a response to a client and no longer has a connection open to that client, it MAY open a connection to the address listed in the Via header. Thus, a proxy or user agent MUST be prepared to receive both requests and responses on a "passive"

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connection.

## 10.4 Reliability for BYE, CANCEL, OPTIONS, REGISTER Requests

### 10.4.1 UDP

A SIP client using UDP SHOULD retransmit a BYE, CANCEL, OPTIONS, or REGISTER request with an exponential backoff, starting at a T1 second interval, doubling the interval for each packet, and capping off at a T2 second interval. This means that after the first packet is sent, the second is sent T1 seconds later, the next 2\*T1 seconds after that, the next 4\*T1 seconds after that, and so on, until the interval hits T2. Subsequent retransmissions are spaced by 4 seconds. If the client receives a provisional response, it continues to retransmit the request, but with an interval of T2 seconds. Retransmissions cease when the client has sent a total of eleven packets, or receives a definitive response. Default values for T1 and T2 are 500ms and 4s, respectively. Clients MAY use larger values, but SHOULD NOT use smaller ones. After the server sends a final response, it cannot be sure the client has received the response, and thus SHOULD cache the results for at least 10\*T2 seconds to avoid having to, for example, contact the user or location server again upon receiving a retransmission.

Use of the exponential backoff is for congestion control purposes. However, the back-off must cap off, since request retransmissions are used to trigger response retransmissions at the server. Without a cap, the loss of a single response could significantly increase transaction latencies.

The value of the initial retransmission timer is smaller than that for TCP since it is expected that network paths suitable for interactive communications have round-trip times smaller than 500ms. For congestion control purposes, the retransmission count has to be bounded. Given that most transactions are expected to consist of one request and a few responses, round-trip time estimation is not likely to be very useful. If RTT estimation is desired to more quickly

discover a missing final response, each request retransmission needs to be labeled with its own Timestamp (Section 6.36), returned in the response. The server caches the result until it can be sure that the client will not retransmit the same request again.

Each server in a proxy chain generates its own final response to a CANCEL request. The server responds immediately upon receipt of the CANCEL request rather than waiting until it has received final responses from the CANCEL requests it generates.

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BYE and OPTIONS final responses are generated by redirect and user agent servers; REGISTER final responses are generated by registrars. Note that in contrast to the reliability mechanism described in Section 10.5, responses to these requests are not retransmitted periodically and not acknowledged via ACK.

#### 10.4.2 TCP

Clients using TCP do not need to retransmit requests.

#### 10.5 Reliability for INVITE Requests

Special considerations apply for the INVITE method.

1. After receiving an invitation, considerable time can elapse before the server can determine the outcome. For example, if the called party is "rung" or extensive searches are performed, delays between the request and a definitive response can reach several tens of seconds. If either caller or callee are automated servers not directly controlled by a human being, a call attempt could be unbounded in time.
2. If a telephony user interface is modeled or if we need to interface to the PSTN, the caller's user interface will provide "ringback", a signal that the callee is being alerted. (The status response 180 (Ringing) MAY be used to initiate ringback.) Once the callee picks up, the caller

needs to know so that it can enable the voice path and stop ringback. The callee's response to the invitation could get lost. Unless the response is transmitted reliably, the caller will continue to hear ringback while the callee assumes that the call exists.

3. The client has to be able to terminate an on-going request, e.g., because it is no longer willing to wait for the connection or search to succeed. The server will have to wait several retransmission intervals to interpret the lack of request retransmissions as the end of a call. If the call succeeds shortly after the caller has given up, the callee will "pick up the phone" and not be "connected".

#### 10.5.1 UDP

For UDP, A SIP client SHOULD retransmit a SIP INVITE request with an interval that starts at T1 seconds, and doubles after each packet transmission. The client ceases retransmissions if it receives a provisional or definitive response, or once it has sent a total of 7

request packets.

A server which transmits a provisional response should retransmit it upon reception of a duplicate request. A server which transmits a final response should retransmit it with an interval that starts at T1 seconds, and doubles for each subsequent packet. Retransmissions cease when any one of the following occurs:

1. An ACK request for the same transaction is received;
2. a BYE request for the same call leg is received;
3. a CANCEL request for the same call leg is received and the final response status was equal or greater to 300;
4. the response has been transmitted 7 times.

Only the user agent client generates an ACK for 2xx final responses, If the response contained a Contact header field, the ACK MAY be sent to the address listed in that Contact header field. If the response did not contain a Contact header, the client uses the same To header field and Request-URI as for the INVITE request and sends the ACK to the same destination as the original INVITE request. ACKs for final responses other than 2xx are sent to the same server that the original request was sent to, using the same Request-URI as the original request. Note, however, that the To header field in the ACK is copied from the response being acknowledged, not the request, and thus MAY additionally contain the tag parameter. Also note that unlike 2xx final responses, a proxy generates an ACK for non-2xx final responses.

The ACK request MUST NOT be acknowledged to prevent a response-ACK feedback loop. Fig. 11 and 12 show the client and server state diagram for invitations.

The mechanism in Sec. 10.4 would not work well for INVITE because of the long delays between INVITE and a final response. If the 200 response were to get lost, the callee would believe the call to exist, but the voice path would be dead since the caller does not know that the callee has picked up. Thus, the INVITE retransmission interval would have to be on the order of a second or two to limit the duration of this state confusion. Retransmitting the response with an exponential back-off helps ensure that the response is received, without placing an undue burden on

```

+=====+
*               *
.....>* Initial *<,,,,,,,,,;
: 7 pkts *               *
;
```



```

7 pkts sent +=====+
+----->*
|          *   Initial   *<.....
|;;;;;;;;;;>*          *
|;          +=====+
|; CANCEL          !      :
|; 200             !      :
|;                !  INVITE :
|;                !  1xx    :
|;                !      :
|;                v      :
|;                *****  BYE :
|;  INVITE -->*          *  200 :
|;  1xx <--* Call proceed. *.....>:
|;                *          *
|;;;;;;;;;;*****
|;                !  !      :
|:                !  !      :
|;  failure      !  !  picks up :
|;  >= 300      !  !  200      :
|;          +-----+ +-----+ :
|;          v          v      :
|;  *****          ***** :
|; INVITE<*          *< timer->*          *>INVITE :
|;status>* failure *>status<-* success *<status :
|;          *          *          *          * :
|;;;;;;;;;;*****          *****
|          ! : |          | ! : :
|          ! : |          | ! : :
+-----!-:-+-----+ ! : :
|          ! :.....!.....>:
|          !          !      BYE :
|          +-----+-----+ 200 :
|          ! ACK      :
|          !          :
|          v          :
|          ***** :
|          V---*          * :
| ACK *   Confirmed   * :

```



SHOULD be ignored. Parameter problem errors SHOULD be treated as if a 400-class response was received.

## 11 Behavior of SIP User Agents

This section describes the rules for user agent client and servers for generating and processing requests and responses.

### 11.1 Caller Issues Initial INVITE Request

When a user agent client desires to initiate a call, it formulates an INVITE request. The To field in the request contains the address of the callee. The Request-URI contains the same address. The From field contains the address of the caller. If the From address can appear in requests generated by other user agent clients for the same call, the caller MUST insert the tag parameter in the From field. A UAC MAY optionally add a Contact header containing an address where it would like to be contacted for transactions from the callee back to the

caller.

### 11.2 Callee Issues Response

When the initial INVITE request is received at the callee, the callee can accept, redirect, or reject the call. In all of these cases, it formulates a response. The response MUST copy the To, From, Call-ID, CSeq and Via fields from the request. Additionally, the responding UAS MUST add the tag parameter to the To field in the response if the To field in the request was not the fully-qualified hostname of the UAS. Since a request from a UAC may fork and arrive at multiple hosts, the tag parameter serves to distinguish, at the UAC, multiple responses from different UAS's. The UAS MAY add a Contact header field in the response. It contains an address where the callee would like to be contacted for subsequent transactions, including the ACK for the current INVITE. The UAS stores the values of the To and From field, including any tags. These become the local and remote addresses of the call leg, respectively.

### 11.3 Caller Receives Response to Initial Request

Multiple responses may arrive at the UAC for a single INVITE request, due to a forking proxy. Each response is distinguished by the "tag" parameter in the To header field, and each represents a distinct call leg. The caller MAY choose to acknowledge or terminate the call with each responding UAS. To acknowledge, it sends an ACK request, and to terminate it sends a BYE request. The To header field in the ACK or BYE MUST be the same as the To field in the 200 response, including any tag. The From header field MUST be the same as the From header field in the 200 (OK) response, including any tag. The Request-URI of the ACK or BYE request MAY be set to whatever address was found in the Contact header field in the 200 (OK) response, if present. Alternately, a UAC may copy the address from the To header field into the Request-URI. The UAC also notes the value of the To and From header fields in each response. For each call leg, the To header field becomes the remote address, and the From header field becomes the local address.

### 11.4 Caller or Callee Generate Subsequent Requests

Once the call has been established, either the caller or callee MAY generate INVITE or BYE requests to change or terminate the call. Regardless of whether the caller or callee is generating the new request, the header fields in the request are set as follows. For the desired call leg, the To header field is set to the remote address, and the From header field is set to the local address (both including any tags). The Contact header field MAY be different than the Contact header field sent in a previous response or request. The Request-URI

MAY be set to the value of the Contact header field received in a previous request or response from the remote party, or to the value of the remote address.

### 11.5 Receiving Subsequent Requests

When a request is received subsequently, the following checks are made:

1. If the Call-ID is new, the request is for a new call, regardless of the values of the To and From header fields.
2. If the Call-ID exists, the request is for an existing call. If the To, From, Call-ID, and CSeq values exactly match (including tags) those of any requests received previously, the request is a retransmission.
3. If there was no match to the previous step, the To and From fields are compared against existing call leg local and remote addresses. If there is a match, and the CSeq in the request is higher than the last CSeq received on that leg, the request is a new transaction for an existing call leg.

## 12 Behavior of SIP Proxy and Redirect Servers

This section describes behavior of SIP redirect and proxy servers in detail. Proxy servers can "fork" connections, i.e., a single incoming request spawns several outgoing (client) requests.

### 12.1 Redirect Server

A redirect server does not issue any SIP requests of its own. After receiving a request other than CANCEL, the server gathers the list of alternative locations and returns a final response of class 3xx or it refuses the request. For well-formed CANCEL requests, it SHOULD return a 2xx response. This response ends the SIP transaction. The redirect server maintains transaction state for the whole SIP transaction. It is up to the client to detect forwarding loops between redirect servers.

### 12.2 User Agent Server

User agent servers behave similarly to redirect servers, except that they also accept requests and can return a response of class 2xx.

### 12.3 Proxy Server

This section outlines processing rules for proxy servers. A proxy

server can either be stateful or stateless. When stateful, a proxy remembers the incoming request which generated outgoing requests, and the outgoing requests. A stateless proxy forgets all information once an outgoing request is generated. A forking proxy SHOULD be stateful. Proxies that accept TCP connections MUST be stateful.

Otherwise, if the proxy were to loose a request, the TCP client would never retransmit it.

A stateful proxy SHOULD NOT become stateless until after it sends a definitive response upstream, at at least 32 seconds after it received a definitive response.

A stateful proxy acts as a virtual UAS/UAC. It implements the server state machine when receiving requests, and the client state machine for generating outgoing requests, with the exception of receiving a 2xx response to an INVITE. Instead of generating an ACK, the 2xx response is always forwarded upstream towards the caller. Furthermore, ACK's for 200 responses to INVITE's are always proxied downstream towards the UAS, as they would be for a stateless proxy.

A stateless proxy does not act as a virtual UAS/UAC (as this would require state). Rather, a stateless proxy forwards every request it receives downstream, and every response it receives upstream.

### 12.3.1 Proxying Requests

To prevent loops, a server MUST check if its own address is already contained in the Via header field of the incoming request.

The To, From, Call-ID, and Contact tags are copied exactly from the original request. The proxy SHOULD change the Request-URI to indicate the server where it intends to send the request.

A proxy server always inserts a Via header field containing its own address into those requests that are caused by an incoming request. Each proxy MUST insert a "branch" parameter (Section 6.40).

### 12.3.2 Proxying Responses

A proxy only processes a response if the topmost Via field matches one of its addresses. A response with a non-matching top Via field

MUST be dropped.

### 12.3.3 Stateless Proxy: Proxying Responses

A stateless proxy removes its own Via field, and checks the address

in the next Via field. In the case of UDP, the response is sent to the address listed in the "maddr" tag if present, otherwise to the "received" tag if present, and finally to the address in the "sent-by" field. A proxy MUST remain stateful when handling requests received via TCP.

A stateless proxy MUST NOT generate its own provisional responses.

### 12.3.4 Stateful Proxy: Receiving Requests

When a stateful proxy receives a request, it checks the To, From (including tags), Call-ID and CSeq against existing request records. If the tuple exists, the request is a retransmission. The provisional or final response sent previously is retransmitted, as per the server state machine. If the tuple does not exist, the request corresponds to a new transaction, and the request should be proxied.

A stateful proxy server MAY generate its own provisional (1xx) responses.

### 12.3.5 Stateful Proxy: Receiving ACKs

When an ACK request is received, it is either processed locally or proxied. To make this determination, the To, From, CSeq and Call-ID fields are compared against those in previous requests. If there is no match, the ACK request is proxied as if it were an INVITE request. If there is a match, and if the server had ever sent a 200 response upstream, the ACK is proxied. If the server had never sent any responses upstream, the ACK is also proxied. If the server had sent a 3xx, 4xx, 5xx or 6xx response, but no 2xx response, the ACK is processed locally if the tag in the To field of the ACK matches the tag sent by the proxy in the response.

### 12.3.6 Stateful Proxy: Receiving Responses

When a proxy server receives a response that has passed the Via checks, the proxy server checks the To (without the tag), From (including the tag), Call-ID and CSeq against values seen in previous requests. If there is no match, the response is forwarded upstream to the address listed in the Via field. If there is a match, the "branch" tag in the Via field is examined. If it matches a known branch identifier, the response is for the given branch, and processed by the virtual client for the given branch. Otherwise, the response is dropped.

A stateful proxy should obey the rules in Section 12.4 to determine if the response should be proxied upstream. If it is to be proxied, the same rules for stateless proxies above are followed, with the

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following addition for TCP. If request was received via TCP (indicated by the protocol in the top Via header, the proxy checks to see if it has a connection currently open to that address. If so, the response is sent on that connection. Otherwise, a new TCP connection is opened to the address and port in the Via field, and the response is sent there. Note that this implies that a UAC or proxy MUST be prepared to receive responses on the incoming side of a TCP connection. Definitive non 200-class responses MUST be retransmitted by the proxy, even over a TCP connection.

### 12.3.7 Stateless, Non-Forking Proxy

Proxies in this category issue at most a single unicast request for each incoming SIP request, that is, they do not "fork" requests. However, servers MAY choose to always operate in a mode that allows issuing of several requests, as described in Section 12.4.

The server can forward the request and any responses. It does not have to maintain any state for the SIP transaction. Reliability is assured by the next redirect or stateful proxy server in the server chain.

A proxy server SHOULD cache the result of any address translations and the response to speed forwarding of retransmissions. After the cache entry has been expired, the server cannot tell whether an incoming request is actually a retransmission of an older request. The server will treat it as a new request and commence another search.

#### 12.4 Forking Proxy

The server MUST respond to the request immediately with a 100 (Trying) response.

Successful responses to an INVITE request SHOULD contain a Contact header field so that the following ACK or BYE bypasses the proxy search mechanism. If the proxy requires future requests to be routed through it, it adds a Record-Route header to the request (Section 6.29).

The following C-code describes the behavior of a proxy server issuing several requests in response to an incoming INVITE request. The function `request(r, a, b)` sends a SIP request of type `r` to address `a`, with branch id `b`. `await_response()` waits until a response is received and returns the response. `close(a)` closes the TCP connection to client with address `a`. `response(r)` sends a response to the client. `ismulticast()` returns 1 if the location is a multicast address and zero otherwise. The variable `timeleft` indicates the amount of time

left until the maximum response time has expired. The variable `recurse` indicates whether the server will recursively try addresses returned through a 3xx response. A server MAY decide to recursively try only certain addresses, e.g., those which are within the same domain as the proxy server. Thus, an initial multicast request can trigger additional unicast requests.

```
/* request type */
typedef enum {INVITE, ACK, BYE, OPTIONS, CANCEL, REGISTER} Method;
```

```

process_request(Method R, int N, address_t address[])
{
    struct {
        int branch;           /* branch id */
        int done;             /* has responded */
    } outgoing[];
    int done[];               /* address has responded */
    char *location[];         /* list of locations */
    int heard = 0;            /* number of sites heard from */
    int class;                 /* class of status code */
    int timeleft = 120;        /* sample timeout value */
    int loc = 0;               /* number of locations */
    struct {                   /* response */
        int status;            /* response: CANCEL=-1 */
        int locations;          /* number of redirect locations */
        char *location[];      /* redirect locations */
        address_t a;           /* address of respondent */
        int branch;            /* branch identifier */
    } r, best;                 /* response, best response */
    int i;

    best.status = 1000;
    for (i = 0; i < N; i++) {
        request(R, address[i], i);
        outgoing[i].done = 0;
        outgoing[i].branch = i;
    }

    while (timeleft > 0 && heard < N) {
        r = await_response();
        class = r.status / 100;

        /* If final response, mark branch as done. */
        if (class >= 2) {
            heard++;
            for (i = 0; i < N; i++) {
                if (r.branch == outgoing[i].branch) {

```

```

        outgoing[i].done = 1;
        break;
    }
}
}
/* CANCEL: respond, fork and wait for responses */
else if (class < 0) {
    best.status = 200;
    response(best);
    for (i = 0; i < N; i++) {
        if (!outgoing[i].done)
            request(CANCEL, address[i], outgoing[i].branch);
    }
    best.status = -1;
}

/* Send an ACK */

if (class != 2) {
    if (R == INVITE) request(ACK, r.a, r.branch);
}

if (class == 2) {
    if (r.status < best.status) best = r;
    break;
}
else if (class == 3) {
    /* A server MAY optionally recurse. The server MUST check
       * whether it has tried this location before and whether
the
       * location is part of the Via path of the incoming
request.
       * This check is omitted here for brevity. Multicast
locations
       * MUST NOT be returned to the client if the server is not
       * recursing.
       */
    if (recurse) {
        multicast = 0;
        N += r.locations;
        for (i = 0; i < r.locations; i++) {
            request(R, r.location[i]);
        }
    }
    else if (!ismulticast(r.location)) {

```

```

        best = r;
    }
}
else if (class == 4) {
    if (best.status >= 400) best = r;
}

```

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```

    else if (class == 5) {
        if (best.status >= 500) best = r;
    }
    else if (class == 6) {
        best = r;
        break;
    }
}

/* We haven't heard anything useful from anybody. */
if (best.status == 1000) {
    best.status = 404;
}
if (best.status/100 != 3) loc = 0;
response(best);
}

```

Responses are processed as follows. The process completes (and state can be freed) when all requests have been answered by final status responses (for unicast) or 60 seconds have elapsed (for multicast). A proxy MAY send a CANCEL to all branches and return a 408 (Timeout) to the client after 60 seconds or more.

1xx: The proxy MAY forward the response upstream towards the client.

2xx: The proxy MUST forward the response upstream towards the client, without sending an ACK downstream. After receiving a 2xx, the server MAY terminate all other pending requests by sending a CANCEL request and closing the TCP connection, if applicable.

(Terminating pending requests is advisable as searches consume resources. Also, INVITE requests could "ring" on a number of workstations if the callee is currently logged in more than once.)

3xx: The proxy MUST send an ACK and MAY recurse on the listed Contact addresses. Otherwise, the lowest-numbered response is returned if there were no 2xx responses.

Location lists are not merged as that would prevent forwarding of authenticated responses. Also, responses can have message bodies, so that merging is not feasible.

4xx, 5xx: The proxy MUST send an ACK and remember the response if it has a lower status code than any previous 4xx and 5xx responses. On completion, the lowest-numbered response is returned if there were no 2xx or 3xx responses.

6xx: The proxy MUST forward the response to the client and send an ACK. Other pending requests MAY be terminated with CANCEL as described for 2xx responses.

A proxy server forwards any response for Call-IDs for which it does not have a pending transaction according to the response's Via header. User agent servers respond to BYE requests for unknown call legs with status code 481 (Transaction Does Not Exist); they drop ACK requests with unknown call legs silently.

Special considerations apply for choosing forwarding destinations for ACK and BYE requests. In most cases, these requests will bypass proxies and reach the desired party directly, keeping proxies from having to make forwarding decisions.

A proxy MAY maintain call state for a period of its choosing. If a proxy still has list of destinations that it forwarded the last INVITE to, it SHOULD direct ACK requests only to those downstream servers.

## 13 Security Considerations

### 13.1 Confidentiality and Privacy: Encryption

#### 13.1.1 End-to-End Encryption

SIP requests and responses can contain sensitive information about the communication patterns and communication content of individuals. The SIP message body MAY also contain encryption keys for the session itself. SIP supports three complementary forms of encryption to protect privacy:

- o End-to-end encryption of the SIP message body and certain sensitive header fields;
- o hop-by-hop encryption to prevent eavesdropping that tracks who is calling whom;
- o hop-by-hop encryption of Via fields to hide the route a request has taken.

Not all of the SIP request or response can be encrypted end-to-end because header fields such as To and Via need to be visible to proxies so that the SIP request can be routed correctly. Hop-by-hop encryption encrypts the entire SIP request or response on the wire so that packet sniffers or other eavesdroppers cannot see who is calling whom. Hop-by-hop encryption can also encrypt requests and responses that have been end-to-end encrypted. Note that proxies can still see

who is calling whom, and this information is also deducible by performing a network traffic analysis, so this provides a very limited but still worthwhile degree of protection.

SIP Via fields are used to route a response back along the path taken by the request and to prevent infinite request loops. However, the information given by them can also provide useful information to an attacker. Section 6.22 describes how a sender can request that Via fields be encrypted by cooperating proxies without compromising the

purpose of the Via field.

End-to-end encryption relies on keys shared by the two user agents involved in the request. Typically, the message is sent encrypted with the public key of the recipient, so that only that recipient can read the message. All implementations SHOULD support PGP-based encryption [33] and MAY implement other schemes.

A SIP request (or response) is end-to-end encrypted by splitting the message to be sent into a part to be encrypted and a short header that will remain in the clear. Some parts of the SIP message, namely the request line, the response line and certain header fields marked with "n" in the "enc." column in Table 4 and 5 need to be read and returned by proxies and thus MUST NOT be encrypted end-to-end. Possibly sensitive information that needs to be made available as plaintext include destination address (To) and the forwarding path (Via) of the call. The Authorization header field MUST remain in the clear if it contains a digital signature as the signature is generated after encryption, but MAY be encrypted if it contains "basic" or "digest" authentication. The From header field SHOULD normally remain in the clear, but MAY be encrypted if required, in which case some proxies MAY return a 401 (Unauthorized) status if they require a From field.

Other header fields MAY be encrypted or MAY travel in the clear as desired by the sender. The Subject, Allow, Call-ID, and Content-Type header fields will typically be encrypted. The Accept, Accept-Language, Date, Expires, Priority, Require, Cseq, and Timestamp header fields will remain in the clear.

All fields that will remain in the clear MUST precede those that will be encrypted. The message is encrypted starting with the first character of the first header field that will be encrypted and continuing through to the end of the message body. If no header fields are to be encrypted, encrypting starts with the second CRLF pair after the last header field, as shown below. Carriage return and line feed characters have been made visible as "\$", and the encrypted part of the message is outlined.

```

INVITE sip:watson@boston.bell-telephone.com SIP/2.0$
Via: SIP/2.0/UDP 169.130.12.5$
To: T. A. Watson <sip:watson@bell-telephone.com>$
From: A. Bell <sip:a.g.bell@bell-telephone.com>$
Encryption: PGP version=5.0$
Content-Length: 224$
CSeq: 488$
$
*****
* Call-ID: 187602141351@worchester.bell-telephone.com$ *
* Subject: Mr. Watson, come here.$ *
* Content-Type: application/sdp$ *
* $ *
* v=0$ *
* o=bell 53655765 2353687637 IN IP4 128.3.4.5$ *
* c=IN IP4 135.180.144.94$ *
* m=audio 3456 RTP/AVP 0 3 4 5$ *
*****

```

An Encryption header field MUST be added to indicate the encryption mechanism used. A Content-Length field is added that indicates the length of the encrypted body. The encrypted body is preceded by a blank line as a normal SIP message body would be.

Upon receipt by the called user agent possessing the correct decryption key, the message body as indicated by the Content-Length field is decrypted, and the now-decrypted body is appended to the clear-text header fields. There is no need for an additional Content-Length header field within the encrypted body because the length of the actual message body is unambiguous after decryption.

Had no SIP header fields required encryption, the message would have been as below. Note that the encrypted body MUST then include a blank line (start with CRLF) to disambiguate between any possible SIP header fields that might have been present and the SIP message body.

```

INVITE sip:watson@boston.bell-telephone.com SIP/2.0$
Via: SIP/2.0/UDP 169.130.12.5$
To: T. A. Watson <sip:watson@bell-telephone.com>$
From: A. Bell <a.g.bell@bell-telephone.com>$
Encryption: PGP version=5.0$

```

```

Content-Type: application/sdp$
Content-Length: 107$
$
*****

```

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```

* $ *
* v=0$ *
* o=bell 53655765 2353687637 IN IP4 128.3.4.5$ *
* c=IN IP4 135.180.144.94$ *
* m=audio 3456 RTP/AVP 0 3 4 5$ *
*****

```

### 13.1.2 Privacy of SIP Responses

SIP requests can be sent securely using end-to-end encryption and authentication to a called user agent that sends an insecure response. This is allowed by the SIP security model, but is not a good idea. However, unless the correct behaviour is explicit, it would not always be possible for the called user agent to infer what a reasonable behaviour was. Thus when end-to-end encryption is used by the request originator, the encryption key to be used for the response SHOULD be specified in the request. If this were not done, it might be possible for the called user agent to incorrectly infer an appropriate key to use in the response. Thus, to prevent key-guessing becoming an acceptable strategy, we specify that a called user agent receiving a request that does not specify a key to be used for the response SHOULD send that response unencrypted.

Any SIP header fields that were encrypted in a request SHOULD also be encrypted in an encrypted response. Contact response fields MAY be encrypted if the information they contain is sensitive, or MAY be left in the clear to permit proxies more scope for localized searches.

### 13.1.3 Encryption by Proxies

Normally, proxies are not allowed to alter end-to-end header fields and message bodies. Proxies MAY, however, encrypt an unsigned request or response with the key of the call recipient.

Proxies need to encrypt a SIP request if the end system cannot perform encryption or to enforce organizational security policies.

#### 13.1.4 Hop-by-Hop Encryption

It is RECOMMENDED that SIP requests and responses are also protected by security mechanisms at the transport or network layer.

#### 13.1.5 Via field encryption

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When Via fields are to be hidden, a proxy that receives a request containing an appropriate "Hide: hop" header field (as specified in section 6.22) SHOULD encrypt the header field. As only the proxy that encrypts the field will decrypt it, the algorithm chosen is entirely up to the proxy implementor. Two methods satisfy these requirements:

- o The server keeps a cache of Via fields and the associated To field, and replaces the Via field with an index into the cache. On the reverse path, take the Via field from the cache rather than the message.

This is insufficient to prevent message looping, and so an additional ID MUST be added so that the proxy can detect loops. This SHOULD NOT normally be the address of the proxy as the goal is to hide the route, so instead a sufficiently large random number SHOULD be used by the proxy and maintained in the cache.

It is possible for replies to get directed to the wrong originator if the cache entry gets reused, so great care needs to be taken to ensure this does not happen.

- o The server MAY use a secret key to encrypt the Via field, a

timestamp and an appropriate checksum in any such message with the same secret key. The checksum is needed to detect whether successful decoding has occurred, and the timestamp is required to prevent possible replay attacks and to ensure that no two requests from the same previous hop have the same encrypted Via field. This is the preferred solution.

### 13.2 Message Integrity and Access Control: Authentication

Protective measures need to be taken to prevent an active attacker from modifying and replaying SIP requests and responses. The same cryptographic measures that are used to ensure the authenticity of the SIP message also serve to authenticate the originator of the message. However, the "basic" and "digest" authentication mechanism offer authentication only, without message integrity.

Transport-layer or network-layer authentication MAY be used for hop-by-hop authentication. SIP also extends the HTTP WWW-Authenticate (Section 6.42) and Authorization (Section 6.11) header field and their Proxy counterparts to include cryptographically strong signatures. SIP also supports the HTTP "basic" and "digest" schemes and other HTTP authentication schemes to be defined that offer a rudimentary mechanism of ascertaining the identity of the caller.

Since SIP requests are often sent to parties with which no

prior communication relationship has existed, we do not specify authentication based on shared secrets.

SIP requests MAY be authenticated using the Authorization header field to include a digital signature of certain header fields, the request method and version number and the payload, none of which are modified between client and called user agent. The Authorization header field is used in requests to authenticate the request originator end-to-end to proxies and the called user agent, and in responses to authenticate the called user agent or proxies returning their own failure codes. If required, hop-by-hop authentication can

be provided, for example, by the IPSEC Authentication Header.

SIP does not dictate which digital signature scheme is used for authentication, but does define how to provide authentication using PGP in Section 14. As indicated above, SIP implementations MAY also use "basic" and "digest" authentication and other authentication mechanisms defined for HTTP. Note that "basic" authentication has severe security limitations. The following does not apply to these schemes.

To cryptographically sign a SIP request, the order of the SIP header fields is important. When an Authorization header field is present, it indicates that all header fields following the Authorization header field have been included in the signature. Therefore, hop-by-hop header fields which MUST or SHOULD be modified by proxies MUST precede the Authorization header field as they will generally be modified or added-to by proxy servers. Hop-by-hop header fields which MAY be modified by a proxy MAY appear before or after the Authorization header. When they appear before, they MAY be modified by a proxy. When they appear after, they MUST NOT be modified by a proxy. To sign a request, a client constructs a message from the request method (in upper case) followed, without LWS, by the SIP version number, followed, again without LWS, by the request headers to be signed and the message body. The message thus constructed is then signed.

For example, if the SIP request is to be:

```
INVITE sip:watson@boston.bell-telephone.com SIP/2.0
Via: SIP/2.0/UDP 169.130.12.5
Authorization: PGP version=5.0, signature=...
From: A. Bell <sip:a.g.bell@bell-telephone.com>
To: T. A. Watson <sip:watson@bell-telephone.com>
Call-ID: 187602141351@worchester.bell-telephone.com
Subject: Mr. Watson, come here.
Content-Type: application/sdp
Content-Length: ...
```

```
v=0
o=bell 53655765 2353687637 IN IP4 128.3.4.5
c=IN IP4 135.180.144.94
m=audio 3456 RTP/AVP 0 3 4 5
```

Then the data block that is signed is:

```
INVITESIP/2.0From: A. Bell <sip:a.g.bell@bell-telephone.com>
To: T. A. Watson <sip:watson@bell-telephone.com>
Call-ID: 187602141351@worchester.bell-telephone.com
Subject: Mr. Watson, come here.
Content-Type: application/sdp
Content-Length: ...
```

```
v=0
o=bell 53655765 2353687637 IN IP4 128.3.4.5
c=IN IP4 135.180.144.94
m=audio 3456 RTP/AVP 0 3 4 5
```

Clients wishing to authenticate requests MUST construct the portion of the message below the Authorization header using a canonical form. This allows a proxy to parse the message, take it apart, and reconstruct it, without causing an authentication failure due to extra white space, for example. Canonical form consists of the following rules:

- o Header field names are capitalized as shown in this document
- o No white space between the header name and the colon
- o A single space after the colon
- o No white space before or after a semicolon separating parameters
- o No white space before or after an equal sign separating a parameter from its value
- o No line folding
- o No comma separated lists of header values; each must appear

as

a separate header

Note that if a message is encrypted and authenticated using a digital

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signature, when the message is generated encryption is performed before the digital signature is generated. On receipt, the digital signature is checked before decryption.

A client MAY require that a server sign its response by including a Require: org.ietf.sip.signed-response request header field. The client indicates the desired authentication method via the WWW-Authenticate header.

The correct behaviour in handling unauthenticated responses to a request that requires authenticated responses is described in section 13.2.1.

#### 13.2.1 Trusting responses

There is the possibility that an eavesdropper listens to requests and then injects unauthenticated responses that terminate, redirect or otherwise interfere with a call. (Even encrypted requests contain enough information to fake a response.)

Clients need to be particularly careful with 3xx redirection responses. Thus a client receiving, for example, a 301 (Moved Permanently) which was not authenticated when the public key of the called user agent is known to the client, and authentication was requested in the request SHOULD be treated as suspicious. The correct behaviour in such a case would be for the called-user to form a dated response containing the Contact field to be used, to sign it, and give this signed stub response to the proxy that will provide the redirection. Thus the response can be authenticated correctly. A client SHOULD NOT automatically redirect such a request to the new location without alerting the user to the authentication failure before doing so.

Another problem might be responses such as 6xx failure responses

which would simply terminate a search, or "4xx" and "5xx" response failures.

If TCP is being used, a proxy SHOULD treat 4xx and 5xx responses as valid, as they will not terminate a search. However, fake 6xx responses from a rogue proxy terminate a search incorrectly. 6xx responses SHOULD be authenticated if requested by the client, and failure to do so SHOULD cause such a client to ignore the 6xx response and continue a search.

With UDP, the same problem with 6xx responses exists, but also an active eavesdropper can generate 4xx and 5xx responses that might cause a proxy or client to believe a failure occurred when in fact it did not. Typically 4xx and 5xx responses will not be signed by the

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called user agent, and so there is no simple way to detect these rogue responses. This problem is best prevented by using hop-by-hop encryption of the SIP request, which removes any additional problems that UDP might have over TCP.

These attacks are prevented by having the client require response authentication and dropping unauthenticated responses. A server user agent that cannot perform response authentication responds using the normal Require response of 420 (Bad Extension).

### 13.3 Callee Privacy

User location and SIP-initiated calls can violate a callee's privacy. An implementation SHOULD be able to restrict, on a per-user basis, what kind of location and availability information is given out to certain classes of callers.

### 13.4 Known Security Problems

With either TCP or UDP, a denial of service attack exists by a rogue proxy sending 6xx responses. Although a client SHOULD choose to ignore such responses if it requested authentication, a proxy cannot do so. It is obliged to forward the 6xx response back to the client.

The client can then ignore the response, but if it repeats the request it will probably reach the same rogue proxy again, and the process will repeat.

## 14 SIP Security Using PGP

### 14.1 PGP Authentication Scheme

The "pgp" authentication scheme is based on the model that the client authenticates itself with a request signed with the client's private key. The server can then ascertain the origin of the request if it has access to the public key, preferably signed by a trusted third party.

#### 14.1.1 The WWW-Authenticate Response Header

WWW-Authenticate	=	"WWW-Authenticate" ":" "pgp" pgp-
challenge		
pgp-challenge	=	* (";" pgp-params )
pgp-params	=	realm   pgp-version   pgp-algorithm
realm	=	"realm" "=" realm-value
realm-value	=	quoted-string
pgp-version	=	"version" "=" digit *( "." digit )
*letter		
pgp-algorithm	=	"algorithm" "=" ( "md5"   "sha1"
token )		

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The meanings of the values of the parameters used above are as follows:

realm: A string to be displayed to users so they know which identity to use. This string SHOULD contain at least the name of the host performing the authentication and MAY additionally indicate the collection of users who might have access. An example might be "Users with call-out privileges ".

pgp-algorithm: The value of this parameter indicates the PGP message integrity check (MIC) to be used to produce the signature. If this not present it is assumed to be "md5". The currently defined values are "md5" for the MD5 checksum, and "sha1" for the SHA.1 algorithm.

pgp-version: The version of PGP that the client MUST use. Common values are "2.6.2" and "5.0". The default is 5.0.

Example:

```
WWW-Authenticate: pgp ;version="5.0"
                  ;realm="Your Startrek identity, please" ;algorithm="md5"
```

#### 14.1.2 The Authorization Request Header

The client is expected to retry the request, passing an Authorization header line, which is defined as follows.

Authorization	=	"Authorization" ":" "pgp" *( ";" pgp-
response )		
pgp-response	=	realm   pgp-version   pgp-signature
signed-by		
pgp-signature	=	"signature" "=" quoted-string
signed-by	=	"signed-by" "=" <"> URI <">

The signature MUST correspond to the From header of the request unless the signed-by parameter is provided.

pgp-signature: The PGP ASCII-armored signature [33], as it appears between the "BEGIN PGP MESSAGE" and "END PGP MESSAGE" delimiters, without the version indication. The signature is included without any linebreaks.

The signature is computed across the request method, request version and header fields following the Authorization header and the message

body, in the same order as they appear in the message. The request method and version are prepended to the header fields without any white space. The signature is computed across the headers as sent, including any folding (folding is the insertion of a CR-LF followed by a space to allow headers to span multiple lines in a message) and the terminating CRLF. The CRLF following the Authorization header is NOT included in the signature.

Using the ASCII-armored version is about 25% less space-efficient than including the binary signature, but it is significantly easier for the receiver to piece together. Versions of the PGP program always include the full (compressed) signed text in their output unless ASCII-armored mode ( -sta ) is specified. Typical signatures are about 200 bytes long. -- The PGP signature mechanism allows the client to simply pass the request to an external PGP program. This relies on the requirement that proxy servers are not allowed to reorder or change header fields.

realm: The realm is copied from the corresponding WWW-Authenticate header field parameter.

signed-by: If and only if the request was not signed by the entity listed in the From header, the signed-by header indicates the name of the signing entity, expressed as a URI.

Receivers of signed SIP messages SHOULD discard any end-to-end header fields above the Authorization header, as they may have been maliciously added en route by a proxy.

Example:

```
Authorization: pgp version="5.0"  
;realm="Your Startrek identity, please"  
;signature="iQB1AwUBNNJiUaYBnHmiiQh1AQFYsgL/Wt3dk6TWK81/b0gcNDf  
VAUGU4rhEBW972IPxFSOZ94L1qhCLInTPaqhHFW1cb3lB01rA0RhpV4t5yCdUt  
SRYBSkOK29o5e1KlFeW23EzYPVUm2TlDAhbcjbMdfC+KLFX  
=aIrx"
```

## 14.2 PGP Encryption Scheme

The PGP encryption scheme uses the following syntax:

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```
Encryption      = "Encryption" ":" "pgp" pgp-eparams
pgp-eparams      = 1# ( pgp-version | pgp-encoding )
pgp-encoding     = "encoding" "=" "ascii" | token
```

encoding: Describes the encoding or "armor" used by PGP. The value "ascii" refers to the standard PGP ASCII armor, without the lines containing "BEGIN PGP MESSAGE" and "END PGP MESSAGE" and without the version identifier. By default, the encrypted part is included as binary.

Example:

Encryption: pgp version="2.6.2", encoding="ascii"

## 14.3 Response-Key Header Field for PGP

```
Response-Key    = "Response-Key" ":" "pgp" pgp-eparams
pgp-eparams      = 1# ( pgp-version | pgp-encoding | pgp-key )
pgp-key          = "key" "=" quoted-string
```

If ASCII encoding has been requested via the encoding parameter, the key parameter contains the user's public key as extracted from the pgp key ring with the "pgp -kxa user".

Example:

Response-Key: pgp version="2.6.2", encoding="ascii",  
key="mQBtAzNWHNYAAAEDAL7QvAdK2utY05wuUG+ItYK5tCF8HNJM60sU4rLaV  
+eUnkMk  
mOmJWtc2wXcZx1XaXb2lkydTQ0esrUR75IwNXBuZXPEIMThEa5WLsT7VLme7njnx  
sE86SgWmAZx5ookIdQAFebQxSGVubmluZyBTY2h1bHpyaW5uZSA8c2NodWx6cm1u  
bmVAY3MuY29sdW1iaWEuZWR1Pg==  
=+y19"

## 15 Examples

In the following examples, we often omit the message body and the corresponding Content-Length and Content-Type headers for brevity.

### 15.1 Registration

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A user at host saturn.bell-tel.com registers on start-up, via multicast, with the local SIP server named bell-tel.com. In the example, the user agent on saturn expects to receive SIP requests on UDP port 3890.

```
C->S: REGISTER sip:bell-tel.com SIP/2.0
      Via: SIP/2.0/UDP saturn.bell-tel.com
      From: sip:watson@bell-tel.com
      To: sip:watson@bell-tel.com
      Call-ID: 70710@saturn.bell-tel.com
      CSeq: 1 REGISTER
      Contact: <sip:watson@saturn.bell-tel.com:3890;transport=udp>
      Expires: 7200
```

The registration expires after two hours. Any future invitations for

watson@bell-tel.com arriving at sip.bell-tel.com will now be redirected to watson@saturn.bell-tel.com, UDP port 3890.

If Watson wants to be reached elsewhere, say, an on-line service he uses while traveling, he updates his reservation after first cancelling any existing locations:

```
C->S: REGISTER sip:bell-tel.com SIP/2.0
      Via: SIP/2.0/UDP saturn.bell-tel.com
      From: sip:watson@bell-tel.com
      To: sip:watson@bell-tel.com
      Call-ID: 70710@saturn.bell-tel.com
      CSeq: 2 REGISTER
      Contact: *
      Expires: 0
```

```
C->S: REGISTER sip:bell-tel.com SIP/2.0
      Via: SIP/2.0/UDP saturn.bell-tel.com
      From: sip:watson@bell-tel.com
      To: sip:watson@bell-tel.com
      Call-ID: 70710@saturn.bell-tel.com
      CSeq: 3 REGISTER
      Contact: sip:tawatson@example.com
```

Now, the server will forward any request for Watson to the server at

example.com, using the Request-URI tawatson@example.com.

It is possible to use third-party registration. Here, the secretary jon.diligent registers his boss, T. Watson:

```
C->S: REGISTER sip:bell-tel.com SIP/2.0
      Via: SIP/2.0/UDP pluto.bell-tel.com
```

From: sip:jon.diligent@bell-tel.com  
To: sip:watson@bell-tel.com  
Call-ID: 17320@pluto.bell-tel.com  
CSeq: 1 REGISTER  
Contact: sip:tawatson@example.com

The request could be send to either the registrar at bell-tel.com or the server at example.com. In the latter case, the server at example.com would proxy the request to the address indicated in the Request-URI. Then, Max-Forwards header could be used to restrict the registration to that server.

## 15.2 Invitation to a Multicast Conference

The first example invites schooler@vlsi.cs.caltech.edu to a multicast session. All examples use the Session Description Protocol (SDP) (RFC 2327 [6]) as the session description format.

### 15.2.1 Request

```
C->S: INVITE sip:schooler@cs.caltech.edu SIP/2.0
      Via: SIP/2.0/UDP csvax.cs.caltech.edu;branch=8348
          ;maddr=239.128.16.254;ttl=16
      Via: SIP/2.0/UDP north.east.isi.edu
      From: Mark Handley <sip:mjh@isi.edu>
      To: Eve Schooler <sip:schooler@caltech.edu>
      Call-ID: 2963313058@north.east.isi.edu
      CSeq: 1 INVITE
      Subject: SIP will be discussed, too
      Content-Type: application/sdp
      Content-Length: 187

      v=0
      o=user1 53655765 2353687637 IN IP4 128.3.4.5
      s=Mbone Audio
      i=Discussion of Mbone Engineering Issues
```

```
e=mbone@somewhere.com
c=IN IP4 224.2.0.1/127
t=0 0
m=audio 3456 RTP/AVP 0
```

The From request header above states that the request was initiated by `mjh@isi.edu` and addressed to `schooler@caltech.edu` (From header fields). The Via fields list the hosts along the path from invitation initiator (the last element of the list) towards the callee. In the example above, the message was last multicast to the administratively scoped group `239.128.16.254` with a ttl of 16 from the host `csvax.cs.caltech.edu`. The second Via header field indicates that it was originally sent from the host `north.east.isi.edu`. The Request-URI indicates that the request is currently being being addressed to `schooler@cs.caltech.edu`, the local address that `csvax` looked up for the callee.

In this case, the session description is using the Session Description Protocol (SDP), as stated in the Content-Type header.

The header is terminated by an empty line and is followed by a message body containing the session description.

### 15.2.2 Response

The called user agent, directly or indirectly through proxy servers, indicates that it is alerting ("ringing") the called party:

```
S->C: SIP/2.0 180 Ringing
Via: SIP/2.0/UDP csvax.cs.caltech.edu;branch=8348
    ;maddr=239.128.16.254;ttl=16
Via: SIP/2.0/UDP north.east.isi.edu
From: Mark Handley <sip:mjh@isi.edu>
To: Eve Schooler <sip:schooler@caltech.edu> ;tag=9883472
Call-ID: 2963313058@north.east.isi.edu
CSeq: 1 INVITE
```

A sample response to the invitation is given below. The first line of the response states the SIP version number, that it is a 200 (OK) response, which means the request was successful. The Via headers are taken from the request, and entries are removed hop by hop as the response retraces the path of the request. A new authentication field

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MAY be added by the invited user's agent if required. The Call-ID is taken directly from the original request, along with the remaining fields of the request message. The original sense of From field is preserved (i.e., it is the session initiator).

In addition, the Contact header gives details of the host where the user was located, or alternatively the relevant proxy contact point which should be reachable from the caller's host.

```
S->C: SIP/2.0 200 OK
      Via: SIP/2.0/UDP csvax.cs.caltech.edu;branch=8348
          ;maddr=239.128.16.254;ttd=16
      Via: SIP/2.0/UDP north.east.isi.edu
      From: Mark Handley <sip:mjh@isi.edu>
      To: Eve Schooler <sip:schooler@caltech.edu> ;tag=9883472
      Call-ID: 2963313058@north.east.isi.edu
      CSeq: 1 INVITE
      Contact: sip:es@jove.cs.caltech.edu
```

The caller confirms the invitation by sending an ACK request to the location named in the Contact header:

```
C->S: ACK sip:es@jove.cs.caltech.edu SIP/2.0
      Via: SIP/2.0/UDP north.east.isi.edu
      From: Mark Handley <sip:mjh@isi.edu>
      To: Eve Schooler <sip:schooler@caltech.edu> ;tag=9883472
```

Call-ID: 2963313058@north.east.isi.edu  
CSeq: 1 ACK

### 15.3 Two-party Call

For two-party Internet phone calls, the response must contain a description of where to send the data. In the example below, Bell calls Watson. Bell indicates that he can receive RTP audio codings 0 (PCMU), 3 (GSM), 4 (G.723) and 5 (DVI4).

C->S: INVITE sip:watson@boston.bell-tel.com SIP/2.0  
Via: SIP/2.0/UDP kton.bell-tel.com

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From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:watson@bell-tel.com>  
Call-ID: 3298420296@kton.bell-tel.com  
CSeq: 1 INVITE  
Subject: Mr. Watson, come here.  
Content-Type: application/sdp  
Content-Length: ...

v=0  
o=bell 53655765 2353687637 IN IP4 128.3.4.5  
s=Mr. Watson, come here.  
c=IN IP4 kton.bell-tel.com  
m=audio 3456 RTP/AVP 0 3 4 5

S->C: SIP/2.0 100 Trying  
Via: SIP/2.0/UDP kton.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:watson@bell-tel.com> ;tag=37462311  
Call-ID: 3298420296@kton.bell-tel.com  
CSeq: 1 INVITE  
Content-Length: 0

S->C: SIP/2.0 180 Ringing  
Via: SIP/2.0/UDP kton.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:watson@bell-tel.com> ;tag=37462311  
Call-ID: 3298420296@kton.bell-tel.com  
CSeq: 1 INVITE  
Content-Length: 0

S->C: SIP/2.0 182 Queued, 2 callers ahead  
Via: SIP/2.0/UDP kton.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:watson@bell-tel.com> ;tag=37462311  
Call-ID: 3298420296@kton.bell-tel.com  
CSeq: 1 INVITE  
Content-Length: 0

S->C: SIP/2.0 182 Queued, 1 caller ahead  
Via: SIP/2.0/UDP kton.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:watson@bell-tel.com> ;tag=37462311  
Call-ID: 3298420296@kton.bell-tel.com  
CSeq: 1 INVITE  
Content-Length: 0

S->C: SIP/2.0 200 OK  
Via: SIP/2.0/UDP kton.bell-tel.com

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From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: <sip:watson@bell-tel.com> ;tag=37462311  
Call-ID: 3298420296@kton.bell-tel.com  
CSeq: 1 INVITE  
Contact: sip:watson@boston.bell-tel.com  
Content-Length: ...

v=0

o=watson 4858949 4858949 IN IP4 192.1.2.3

s=I'm on my way

```
c=IN IP4 boston.bell-tel.com
m=audio 5004 RTP/AVP 0 3
```

The example illustrates the use of informational status responses. Here, the reception of the call is confirmed immediately (100), then, possibly after some database mapping delay, the call rings (180) and is then queued, with periodic status updates.

Watson can only receive PCMU and GSM. Note that Watson's list of codecs may or may not be a subset of the one offered by Bell, as each party indicates the data types it is willing to receive. Watson will send audio data to port 3456 at c.bell-tel.com, Bell will send to port 5004 at boston.bell-tel.com.

By default, the media session is one RTP session. Watson will receive RTCP packets on port 5005, while Bell will receive them on port 3457.

Since the two sides have agreed on the set of media, Bell confirms the call without enclosing another session description:

```
C->S: ACK sip:watson@boston.bell-tel.com SIP/2.0
      Via: SIP/2.0/UDP kton.bell-tel.com
      From: A. Bell <sip:a.g.bell@bell-tel.com>
      To: T. Watson <sip:watson@bell-tel.com> ;tag=37462311
      Call-ID: 3298420296@kton.bell-tel.com
      CSeq: 1 ACK
```

#### 15.4 Terminating a Call

To terminate a call, caller or callee can send a BYE request:

```
C->S: BYE sip:watson@boston.bell-tel.com SIP/2.0
Via: SIP/2.0/UDP kton.bell-tel.com
From: A. Bell <sip:a.g.bell@bell-tel.com>
To: T. A. Watson <sip:watson@bell-tel.com> ;tag=37462311
Call-ID: 3298420296@kton.bell-tel.com
CSeq: 2 BYE
```

If the callee wants to abort the call, it simply reverses the To and From fields. Note that it is unlikely that a BYE from the callee will traverse the same proxies as the original INVITE.

### 15.5 Forking Proxy

In this example, Bell (a.g.bell@bell-tel.com) (C), currently seated at host c.bell-tel.com wants to call Watson (t.watson@ieee.org). At the time of the call, Watson is logged in at two workstations, t.watson@x.bell-tel.com (X) and watson@y.bell-tel.com (Y), and has registered with the IEEE proxy server (P) called sip.ieee.org. The IEEE server also has a registration for the home machine of Watson, at watson@h.bell-tel.com (H), as well as a permanent registration at watson@acm.org (A). For brevity, the examples omit the session description and Via header fields.

Bell's user agent sends the invitation to the SIP server for the ieee.org domain:

```
C->P: INVITE sip:t.watson@ieee.org SIP/2.0
Via: SIP/2.0/UDP c.bell-tel.com
From: A. Bell <sip:a.g.bell@bell-tel.com>
To: T. Watson <sip:t.watson@ieee.org>
Call-ID: 31415@c.bell-tel.com
CSeq: 1 INVITE
```

The SIP server at ieee.org tries the four addresses in parallel. It sends the following message to the home machine:

```
P->H: INVITE sip:watson@h.bell-tel.com SIP/2.0
```

Via: SIP/2.0/UDP sip.ietf.org ;branch=1  
Via: SIP/2.0/UDP c.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>

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To: T. Watson <sip:t.watson@ietf.org>  
Call-ID: 31415@c.bell-tel.com  
CSeq: 1 INVITE

This request immediately yields a 404 (Not Found) response, since Watson is not currently logged in at home:

H->P: SIP/2.0 404 Not Found  
Via: SIP/2.0/UDP sip.ietf.org ;branch=1  
Via: SIP/2.0/UDP c.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:t.watson@ietf.org>;tag=87454273  
Call-ID: 31415@c.bell-tel.com  
CSeq: 1 INVITE

The proxy ACKs the response so that host H can stop retransmitting it:

P->H: ACK sip:watson@h.bell-tel.com SIP/2.0  
Via: SIP/2.0/UDP sip.ietf.org ;branch=1  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:t.watson@ietf.org>;tag=87454273  
Call-ID: 31415@c.bell-tel.com  
CSeq: 1 ACK

Also, P attempts to reach Watson through the ACM server:

```
P->A: INVITE sip:watson@acm.org SIP/2.0
      Via:      SIP/2.0/UDP sip.ietf.org ;branch=2
      Via:      SIP/2.0/UDP c.bell-tel.com
      From:     A. Bell <sip:a.g.bell@bell-tel.com>
      To:       T. Watson <sip:t.watson@ietf.org>
      Call-ID:  31415@c.bell-tel.com
      CSeq:     1 INVITE
```

In parallel, the next attempt proceeds, with an INVITE to X and Y:

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```
P->X: INVITE sip:t.watson@x.bell-tel.com SIP/2.0
      Via:      SIP/2.0/UDP sip.ietf.org ;branch=3
      Via:      SIP/2.0/UDP c.bell-tel.com
      From:     A. Bell <sip:a.g.bell@bell-tel.com>
      To:       T. Watson <sip:t.watson@ietf.org>
      Call-ID:  31415@c.bell-tel.com
      CSeq:     1 INVITE
```

```
P->Y: INVITE sip:watson@y.bell-tel.com SIP/2.0
      Via:      SIP/2.0/UDP sip.ietf.org ;branch=4
      Via:      SIP/2.0/UDP c.bell-tel.com
      From:     A. Bell <sip:a.g.bell@bell-tel.com>
      To:       T. Watson <sip:t.watson@ietf.org>
      Call-ID:  31415@c.bell-tel.com
      CSeq:     1 INVITE
```

As it happens, both Watson at X and a colleague in the other lab at host Y hear the phones ringing and pick up. Both X and Y return 200s via the proxy to Bell.

X->P: SIP/2.0 200 OK  
Via: SIP/2.0/UDP sip.ietf.org ;branch=3  
Via: SIP/2.0/UDP c.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:t.watson@ietf.org> ;tag=192137601  
Call-ID: 31415@c.bell-tel.com  
CSeq: 1 INVITE  
Contact: sip:t.watson@x.bell-tel.com

Y->P: SIP/2.0 200 OK  
Via: SIP/2.0/UDP sip.ietf.org ;branch=4  
Via: SIP/2.0/UDP c.bell-tel.com  
Contact: sip:t.watson@y.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:t.watson@ietf.org> ;tag=35253448  
Call-ID: 31415@c.bell-tel.com  
CSeq: 1 INVITE

Both responses are forwarded to Bell, using the Via information. At this point, the ACM server is still searching its database. P can now cancel this attempt:

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P->A: CANCEL sip:watson@acm.org SIP/2.0  
Via: SIP/2.0/UDP sip.ietf.org ;branch=2  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:t.watson@ietf.org>  
Call-ID: 31415@c.bell-tel.com  
CSeq: 1 CANCEL

The ACM server gladly stops its neural-network database search and responds with a 200. The 200 will not travel any further, since P is the last Via stop.

A->P: SIP/2.0 200 OK  
Via: SIP/2.0/UDP sip.ietf.org ;branch=2  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:t.watson@ietf.org>  
Call-ID: 31415@c.bell-tel.com  
CSeq: 1 CANCEL

Bell gets the two 200 responses from X and Y in short order. Bell's reaction now depends on his software. He can either send an ACK to both if human intelligence is needed to determine who he wants to talk to or he can automatically reject one of the two calls. Here, he acknowledges both, separately and directly to the final destination:

C->X: ACK sip:t.watson@x.bell-tel.com SIP/2.0  
Via: SIP/2.0/UDP c.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:t.watson@ietf.org>;tag=192137601  
Call-ID: 31415@c.bell-tel.com  
CSeq: 1 ACK

C->Y: ACK sip:watson@y.bell-tel.com SIP/2.0  
Via: SIP/2.0/UDP c.bell-tel.com  
From: A. Bell <sip:a.g.bell@bell-tel.com>  
To: T. Watson <sip:t.watson@ietf.org>;tag=35253448  
Call-ID: 31415@c.bell-tel.com  
CSeq: 1 ACK

After a brief discussion between Bell with X and Y, it becomes clear

that Watson is at X. (Note that this is not a three-way call; only Bell can talk to X and Y, but X and Y cannot talk to each other.) Thus, Bell sends a BYE to Y, which is replied to:

```
C->Y: BYE sip:watson@y.bell-tel.com SIP/2.0
      Via: SIP/2.0/UDP c.bell-tel.com
      From: A. Bell <sip:a.g.bell@bell-tel.com>
      To: T. Watson <sip:t.watson@ieee.org>;tag=35253448
      Call-ID: 31415@c.bell-tel.com
      CSeq: 2 BYE

Y->C: SIP/2.0 200 OK
      Via: SIP/2.0/UDP c.bell-tel.com
      From: A. Bell <sip:a.g.bell@bell-tel.com>
      To: T. Watson <sip:t.watson@ieee.org>;tag=35253448
      Call-ID: 31415@c.bell-tel.com
      CSeq: 2 BYE
```

## 15.6 Redirects

Replies with status codes 301 (Moved Permanently) or 302 (Moved Temporarily) specify another location using the Contact field. Continuing our earlier example, the server P at ieee.org decides to redirect rather than proxy the request:

```
P->C: SIP/2.0 302 Moved temporarily
      Via: SIP/2.0/UDP c.bell-tel.com
      From: A. Bell <sip:a.g.bell@bell-tel.com>
      To: T. Watson <sip:t.watson@ieee.org>;tag=72538263
      Call-ID: 31415@c.bell-tel.com
      CSeq: 1 INVITE
      Contact: sip:watson@h.bell-tel.com,
              sip:watson@acm.org, sip:t.watson@x.bell-tel.com,
              sip:watson@y.bell-tel.com
      CSeq: 1 INVITE
```

As another example, assume Alice (A) wants to delegate her calls to Bob (B) while she is on vacation until July 29th, 1998. Any calls

meant for her will reach Bob with Alice's To field, indicating to him

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what role he is to play. Charlie (C) calls Alice (A), whose server returns:

```
A->C: SIP/2.0 302 Moved temporarily
      From: Charlie <sip:charlie@caller.com>
      To: Alice <sip:alice@anywhere.com> ;tag=2332462
      Call-ID: 27182@caller.com
      Contact: sip:bob@anywhere.com
      Expires: Wed, 29 Jul 1998 9:00:00 GMT
      CSeq: 1 INVITE
```

Charlie then sends the following request to the SIP server of the anywhere.com domain.

Note that the server at anywhere.com forwards the request to Bob based on the Request-URI.

```
C->B: INVITE sip:bob@anywhere.com SIP/2.0
      From: sip:charlie@caller.com
      To: sip:alice@anywhere.com
      Call-ID: 27182@caller.com
      CSeq: 2 INVITE
```

In the third redirection example, we assume that all outgoing requests are directed through a local firewall F at caller.com, with Charlie again inviting Alice:

C->F: INVITE sip:alice@anywhere.com SIP/2.0  
From: sip:charlie@caller.com  
To: Alice <sip:alice@anywhere.com>  
Call-ID: 27182@caller.com  
CSeq: 1 INVITE

The local firewall at caller.com happens to be overloaded and thus redirects the call from Charlie to a secondary server S:

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F->C: SIP/2.0 302 Moved temporarily  
From: sip:charlie@caller.com  
To: Alice <sip:alice@anywhere.com>  
Call-ID: 27182@caller.com  
CSeq: 1 INVITE  
Contact: <sip:alice@anywhere.com:5080;maddr=spare.caller.com>

Based on this response, Charlie directs the same invitation to the secondary server spare.caller.com at port 5080, but maintains the same Request-URI as before:

C->S: INVITE sip:alice@anywhere.com SIP/2.0  
From: sip:charlie@caller.com  
To: Alice <sip:alice@anywhere.com>  
Call-ID: 27182@caller.com  
CSeq: 2 INVITE

## 15.7 Negotiation

An example of a 606 (Not Acceptable) response is:

```
S->C: SIP/2.0 606 Not Acceptable
      From: sip:mjh@isi.edu
      To: <sip:schooler@cs.caltech.edu> ;tag=7434264
      Call-ID: 14142@north.east.isi.edu
      CSeq: 1 INVITE
      Contact: sip:mjh@north.east.isi.edu
      Warning: 370 "Insufficient bandwidth (only have ISDN)",
               305 "Incompatible media format",
               330 "Multicast not available"
      Content-Type: application/sdp
      Content-Length: 50

      v=0
      s=Let's talk
      b=CT:128
      c=IN IP4 north.east.isi.edu
      m=audio 3456 RTP/AVP 5 0 7
      m=video 2232 RTP/AVP 31
```

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In this example, the original request specified a bandwidth that was higher than the access link could support, requested multicast, and requested a set of media encodings. The response states that only 128 kb/s is available and that (only) DVI, PCM or LPC audio could be supported in order of preference.

The response also states that multicast is not available. In such a case, it might be appropriate to set up a transcoding gateway and re-invite the user.

## 15.8 OPTIONS Request

A caller Alice can use an OPTIONS request to find out the capabilities of a potential callee Bob, without "ringing" the

designated address. Bob returns a description indicating that he is capable of receiving audio encodings PCM Ulaw (payload type 0), 1016 (payload type 1), GSM (payload type 3), and SX7300/8000 (dynamic payload type 99), and video encodings H.261 (payload type 31) and H.263 (payload type 34).

```
C->S: OPTIONS sip:bob@example.com SIP/2.0
      From: Alice <sip:alice@anywhere.org>
      To: Bob <sip:bob@example.com>
      Call-ID: 6378@host.anywhere.org
      CSeq: 1 OPTIONS
      Accept: application/sdp

S->C: SIP/2.0 200 OK
      From: Alice <sip:alice@anywhere.org>
      To: Bob <sip:bob@example.com> ;tag=376364382
      Call-ID: 6378@host.anywhere.org
      Content-Length: 81
      Content-Type: application/sdp

      v=0
      m=audio 0 RTP/AVP 0 1 3 99
      m=video 0 RTP/AVP 31 34
      a=rtpmap:99 SX7300/8000
```

## A Minimal Implementation

### A.1 Client

All clients MUST be able to generate the INVITE and ACK requests.

Clients MUST generate and parse the Call-ID, Content-Length, Content-Type, CSeq, From and To headers. Clients MUST also parse the Require header. A minimal implementation MUST understand SDP (RFC

2327, [6]). It MUST be able to recognize the status code classes 1 through 6 and act accordingly.

The following capability sets build on top of the minimal implementation described in the previous paragraph:

Basic: A basic implementation adds support for the BYE method to allow the interruption of a pending call attempt. It includes a User-Agent header in its requests and indicate its preferred language in the Accept-Language header.

Redirection: To support call forwarding, a client needs to be able to understand the Contact header, but only the SIP-URL part, not the parameters.

Negotiation: A client MUST be able to request the OPTIONS method and understand the 380 (Alternative Service) status and the Contact parameters to participate in terminal and media negotiation. It SHOULD be able to parse the Warning response header to provide useful feedback to the caller.

Authentication: If a client wishes to invite callees that require caller authentication, it MUST be able to recognize the 401 (Unauthorized) status code, MUST be able to generate the Authorization request header and MUST understand the WWW-Authenticate response header.

If a client wishes to use proxies that require caller authentication, it MUST be able to recognize the 407 (Proxy Authentication Required) status code, MUST be able to generate the Proxy-Authorization request header and understand the Proxy-Authenticate response header.

## A.2 Server

A minimally compliant server implementation MUST understand the INVITE, ACK, OPTIONS and BYE requests. A proxy server MUST also understand CANCEL. It MUST parse and generate, as appropriate, the Call-ID, Content-Length, Content-Type, CSeq, Expires, From, Max-Forwards, Require, To and Via headers. It MUST echo the CSeq and Timestamp headers in the response. It SHOULD include the Server header in its responses.

## A.3 Header Processing

Table 6 lists the headers that different implementations support. UAC

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refers to a user-agent client (calling user agent), UAS to a user-agent server (called user-agent).

	type	UAC	proxy	UAS
Accept	R	-	o	o
Accept-Language	R	-	b	b
Allow	405	o	-	-
Authorization	R	a	o	a
Call-ID	g	m	m	m
Content-Length	g	m	m	m
Content-Type	g	m	-	m
CSeq	g	m	m	m
Encryption	g	e	-	e
Expires	g	-	o	o
From	g	m	o	m
Contact	R	-	-	-
Contact	r	r	r	-
Max-Forwards	R	-	b	-
Proxy-Authenticate	407	a	-	-
Proxy-Authorization	R	-	a	-
Proxy-Require	R	-	m	-
Require	R	m	-	m
Response-Key	R	-	-	e
Timestamp	g	o	o	m
To	g	m	m	m
Unsupported	r	b	b	-
Via	g	m	m	m
WWW-Authenticate	401	a	-	-

Table 6: This table indicates which systems parse which header fields. Type is as in Table 4 and 5. "-" indicates the field is not meaningful to this system (although it might be generated by it). "m" indicates the field MUST be understood. "b" indicates the field SHOULD be understood by a Basic implementation. "r" indicates the field SHOULD be understood if the system claims to understand

redirection. "a" indicates the field SHOULD be understood if the system claims to support authentication. "e" indicates the field SHOULD be understood if the system claims to support encryption. "o" indicates support of the field is purely optional. Headers whose support is optional for all implementations are not shown.

## B Usage of SDP

The nth media session in a unicast INVITE request will become a single RTP session with the nth media session in the response. Thus,

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the callee should be careful to order media descriptions appropriately.

It is assumed that if caller or callee include a particular media type, they want to both send and receive media data. If the callee does not want to send a particular media type, it marks the media entry as recvonly receive a particular media type, it may mark it as

sendonly wants to neither receive nor send a particular media type, it sets the port to zero. (RTCP ports are not needed in this case.)

The caller includes all media types that it is willing to send so that the receiver can provide matching media descriptions.

The callee sets the port to zero if callee and caller only want to receive a media type.

Either party can set the "c" destination address to zero (0.0.0.0) if it wants to signal to the other party to stop sending media data. This implements a (far-side) "mute" or "hold" functionality.

The SDP fields "s" and the SIP Subject header have different meanings when inviting to a multicast session. The SDP field describes the subject of the multicast session, while the SIP Subject header describes the reason for the invitation. The example in Section 15.2 illustrates

this point. For invitations to two-party sessions, the SDP "s" field MAY be left empty. The "o" field is not strictly necessary for two-party sessions, but MUST be present to allow re-use of SDP-based tools.

## C Summary of Augmented BNF

In this specification we use the Augmented Backus-Naur Form notation described in RFC 2234 [23]. For quick reference, the following is a brief summary of the main features of this ABNF.

"abc"

The case-insensitive string of characters "abc" (or "Abc", "aBC", etc.);

%d32

The character with ASCII code decimal 32 (space);

\*term

zero or more instances of term;

3\*term

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three or more instances of term;

2\*4term

two, three or four instances of term;

[ term ]

term is optional;

term1 term2 term3

set notation: term1, term2 and term3 must all appear in the order listed;

term1 | term2

either term1 or term2 may appear but not both;

## #term

A construct "#" is defined, similar to "\*", for defining lists of elements. The full form is "<n>#<m> element" indicating at least <n> and at most <m> elements, each separated by one or more commas (",") and OPTIONAL linear white space (LWS). This makes the usual form of lists very easy; a rule such as

```
( *LWS element *( *LWS "," *LWS element ) )
```

can be shown as 1# element. Wherever this construct is used, null elements are allowed, but do not contribute to the count of elements present. That is, "(element), , (element)" is permitted, but counts as only two elements. Therefore, where at least one element is required, at least one non-null element MUST be present. Default values are 0 and infinity so that "#element" allows any number, including zero; "1#element" requires at least one; and "1#2element" allows one or two.

## Common Tokens

Certain tokens are used frequently in the BNF of this document, and not defined elsewhere. Their meaning is well understood but we include it here for completeness.

CR	=	%d13 ; US-ASCII CR, carriage return character
LF	=	%d10 ; US-ASCII LF, line feed character
CRLF	=	CR LF ; typically the end of a line
SP	=	%d32 ; US-ASCII SP, space character
HT	=	%d09 ; US-ASCII HT, horizontal tab character

LWS	=	[CRLF] 1*( SP   HT ) ; linear whitespace
DIGIT	=	"0" .. "9" ; a single decimal digit
CHAR	=	<any US-ASCII character (octets 0 - 127)>
CTL	=	<any US-ASCII control character

(octets 0 -- 31) and DEL (127)>  
OCTET = <any 8-bit sequence of data>  
TEXT = <any OCTET except CTLs, but including LWS>

```

unreserved = alphanum | mark
mark       = "-" | "_" | "." | "!" | "~" | "*" | "'"
           | "(" | ")"
separators = "(" | ")" | "<" | ">" | "@" |
           | "," | ";" | ":" | "backslash" | "<" |
           | "/" | "[" | "]" | "?" | "=" |
           | "" | "" | SP | HT
escaped    = "%" hex hex
hex        = digit | "A" | "B" | "C" | "D" | "E" | "F" |
           | "a" | "b" | "c" | "d" | "e" | "f"
alphanum   = alpha | digit
alpha      = lowalpha | upalpha
lowalpha   = "a" | "b" | "c" | "d" | "e" | "f" | "g" | "h"
           | "i" |
           | "r" |
           | "s" | "t" | "u" | "v" | "w" | "x" | "y" | "z"
upalpha    = "A" | "B" | "C" | "D" | "E" | "F" | "G" | "H"
           | "I" |
           | "J" | "K" | "L" | "M" | "N" | "O" | "P" | "Q"
           | "S" | "T" | "U" | "V" | "W" | "X" | "Y" | "Z"
digit      = "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7"
           |
           | "8" | "9"
token      = 1*< any CHAR except CTL's or separators>
quoted-pair = "
" CHAR
comment    = "(" *(ctext | quoted-pair | comment) ")"
ctext      = < any TEXT excluding "(" and ")">

```

## D IANA Considerations

Section 4.4 describes a name space and mechanism for registering SIP options.

Section 6.41 describes the name space for registering SIP warn-codes.

## E Changes in Version -10

Since version -09, the following changes have been made.

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- o Content-Encoding changed to "optional" in Table 4.
- o URL element hname element now set to 1\*uric instead of \*uric.
- o Call-ID local-id element now set to 1\*uric instead of \*uric.
- o Reference to DNS MX records removed.
- o signed-by value enclosed in quotation marks to avoid ambiguity for semicolon.
- o Allow and Content-Encoding syntax definitions added, to avoid possible confusion about the meaning of the Method item and to allow inclusion of the abbreviation, respectively.
- o Clarified the rule for adding tags to To headers in responses to simply count Via headers. This seems easier to implement than having a client decide whether there are other clients with the same URI out there.
- o Explicitly state that REGISTER requests are ordered according to arrival. Anything else (CSeq within Call-ID, Date) does not work for any reasonable amount of server complexity.
- o Suggest use of standard display name "Anonymous" for anonymous calls, to simplify blocking and in the spirit of similar conventions for caller-ID. (Clearly, this is only meaningful for requests signed by a third party.)
- o Clarified Via header processing.
- o Replaced reference to URI draft with RFC 2396.

- o Removed references to UUID draft and simply required tags and local call id values to be cryptographically random.  
(Necessary since the UUID draft is not yet an RFC.)
- o Emphasized that a proxies that accept TCP connections cannot be stateless. If they were, they could loose the UDP request, which would never be retransmitted by the TCP client.
- o Accept, Accept-Language and Accept-Encoding can also appear in 415 responses if the message body of the request was not understood.
- o Added canonical form definitions for authentication.
- o Added exponential backoffs to reliability mechanisms

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- o Clarified use of tag for determining if a proxy server should process an ACK.
- o Added IESG comments received during last call

## F Acknowledgments

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This work is based, inter alia, on [34,35].

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## H Bibliography

[1] R. Pandya, "Emerging mobile and personal communication systems,"  
IEEE Communications Magazine , vol. 33, pp. 44--52, June 1995.

[2] B. Braden, L. Zhang, S. Berson, S. Herzog, and S. Jamin,  
"Resource ReSerVation protocol (RSVP) -- version 1 functional  
specification," RFC 2205, Internet Engineering Task Force, Oct. 1997.

- [3] H. Schulzrinne, S. Casner, R. Frederick, and V. Jacobson, "RTP: a transport protocol for real-time applications," RFC 1889, Internet Engineering Task Force, Jan. 1996.
- [4] H. Schulzrinne, R. Lanphier, and A. Rao, "Real time streaming protocol (RTSP)," RFC 2326, Internet Engineering Task Force, Apr. 1998.
- [5] M. Handley, "SAP: Session announcement protocol," Internet Draft, Internet Engineering Task Force, Nov. 1996. Work in progress.
- [6] M. Handley and V. Jacobson, "SDP: session description protocol," RFC 2327, Internet Engineering Task Force, Apr. 1998.
- [7] International Telecommunication Union, "Visual telephone systems and equipment for local area networks which provide a non-guaranteed quality of service," Recommendation H.323, Telecommunication Standardization Sector of ITU, Geneva, Switzerland, May 1996.
- [8] International Telecommunication Union, "Control protocol for multimedia communication," Recommendation H.245, Telecommunication Standardization Sector of ITU, Geneva, Switzerland, May 1998.
- [9] International Telecommunication Union, "Media stream packetization and synchronization on non-guaranteed quality of service lans," Recommendation H.225, Telecommunication Standardization Sector of ITU, Geneva, Switzerland, May 1996.
- [10] S. Bradner, "Key words for use in RFCs to indicate requirement levels," RFC 2119, Internet Engineering Task Force, Mar. 1997.
- [11] R. Fielding, J. Gettys, J. Mogul, H. Nielsen, and T. Berners-Lee, "Hypertext transfer protocol -- HTTP/1.1," RFC 2068, Internet Engineering Task Force, Jan. 1997.
- [12] T. Berners-Lee, R. Fielding, and L. Masinter, "Uniform resource identifiers (URI): generic syntax," RFC 2396, Internet Engineering Task Force, Aug. 1998.

[13] T. Berners-Lee, L. Masinter, and M. McCahill, "Uniform resource locators (URL)," RFC 1738, Internet Engineering Task Force, Dec. 1994.

[14] A. Gulbrandsen and P. Vixie, "A DNS RR for specifying the location of services (DNS SRV)," RFC 2052, Internet Engineering Task Force, Oct. 1996.

[15] P. Mockapetris, "Domain names - implementation and specification," RFC STD 13, 1035, Internet Engineering Task Force, Nov. 1987.

[16] N. Borenstein and N. Freed, "MIME (multipurpose internet mail extensions): Mechanisms for specifying and describing the format of internet message bodies," RFC 1341, Internet Engineering Task Force, June 1992.

[17] M. Hamilton and R. Wright, "Use of DNS aliases for network services," RFC 2219, Internet Engineering Task Force, Oct. 1997.

[18] D. Zimmerman, "The finger user information protocol," RFC 1288, Internet Engineering Task Force, Dec. 1991.

[19] S. Williamson, M. Kisters, D. Blacka, J. Singh, and K. Zeilstra, "Referral whois (rwhois) protocol V1.5," RFC 2167, Internet Engineering Task Force, June 1997.

[20] W. Yeong, T. Howes, and S. Kille, "Lightweight directory access protocol," RFC 1777, Internet Engineering Task Force, Mar. 1995.

[21] E. M. Schooler, "A multicast user directory service for synchronous rendezvous," Master's Thesis CS-TR-96-18, Department of Computer Science, California Institute of Technology, Pasadena, California, Aug. 1996.

[22] F. Yergeau, "UTF-8, a transformation format of ISO 10646," RFC 2279, Internet Engineering Task Force, Jan. 1998.

[23] D. Crocker and P. Overell, "Augmented BNF for syntax specifications: ABNF," RFC 2234, Internet Engineering Task Force, Nov. 1997.

[24] W. R. Stevens, TCP/IP illustrated: the protocols , vol. 1. Reading, Massachusetts: Addison-Wesley, 1994.

[25] J. Mogul and S. Deering, "Path MTU discovery," RFC 1191, Internet Engineering Task Force, Nov. 1990.

Handley/Schulzrinne/Schooler/Rosenberg

[Page 130]

Internet Draft

SIP

November 12, 1998

[26] D. Crocker, "Standard for the format of ARPA internet text messages," RFC STD 11, 822, Internet Engineering Task Force, Aug. 1982.

[27] D. Meyer, "Administratively scoped IP multicast," RFC 2365, Internet Engineering Task Force, July 1998.

[28] D. Eastlake, S. Crocker, and J. Schiller, "Randomness recommendations for security," RFC 1750, Internet Engineering Task Force, Dec. 1994.

[29] P. Hoffman, L. Masinter, and J. Zawinski, "The mailto URL scheme," RFC 2368, Internet Engineering Task Force, July 1998.

[30] J. Palme, "Common internet message headers," RFC 2076, Internet Engineering Task Force, Feb. 1997.

[31] R. Fielding, J. Gettys, J. Mogul, H. Frystyk, L. Masinter, P. Leach, and T. Berners-Lee, "Hypertext transfer protocol -- HTTP/1.1," Internet Draft, Internet Engineering Task Force, Sept. 1998. Work in progress.

[32] M. Elkins, "MIME security with pretty good privacy (PGP)," RFC 2015, Internet Engineering Task Force, Oct. 1996.

[33] D. Atkins, W. Stallings, and P. Zimmermann, "PGP message exchange formats," RFC 1991, Internet Engineering Task Force, Aug. 1996.

[34] E. M. Schooler, "Case study: multimedia conference control in a packet-switched teleconferencing system," Journal of Internetworking: Research and Experience, vol. 4, pp. 99--120, June 1993. ISI reprint series ISI/RS-93-359.

[35] H. Schulzrinne, "Personal mobility for multimedia services in the Internet," in European Workshop on Interactive Distributed Multimedia Systems and Services (IDMS) , (Berlin, Germany), Mar. 1996.

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Received: from alpha.xerox.com (firewall-user@alpha.Xerox.COM  
[13.1.64.93])

by ietf.org (8.9.1a/8.9.1a) with SMTP id PAA13628

for <iesg@ietf.org>; Sat, 16 Oct 1999 15:24:54 -0400 (EDT)

Received: from thelma.parc.xerox.com ([13.1.100.28]) by alpha.xerox.com  
with SMTP id <52030(1)>; Sat, 16 Oct 1999 12:24:45 PDT

Received: from copper.parc.xerox.com ([13.0.208.21]) by  
thelma.parc.xerox.com with SMTP id <98146>; Sat, 16 Oct 1999 12:24:38  
PDT

From: "Larry Masinter" <masinter@parc.xerox.com>

To: <iesg@ietf.org>, <antti.vaha-sipila@nokia.com>

Cc: <ietf-uri@w3.org>

Subject: RE: Last Call: URLs for Telephone Calls to Proposed Standard

Date: Sat, 16 Oct 1999 12:24:48 PDT

Message-ID: <000101bf180c\$1cc1cb80\$15d0000d@copper.parc.xerox.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

X-Priority: 3 (Normal)

X-MSMail-Priority: Normal

X-Mailer: Microsoft Outlook 8.5, Build 4.71.2173.0

Importance: Normal

In-Reply-To: <199910112024.QAA14299@ietf.org>

X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Content-Transfer-Encoding: 7bit

Comments on draft-antti-telephony-url-11.txt:

The first two paragraphs of section 1.1 should either be edited into a 'history' appendix or else just removed from the final document.

"Formal definitions follow [RFC2234]."

But only the ABNF used in formal definitions follow 2234.

"Requirements are indicated by capitalized words as specified in [RFC2119]."

but RFC 2119 says:

Authors who follow these guidelines  
should incorporate this phrase near the beginning of their document:

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119.

since, of course, other words are capitalized.

In this document, "user agent" means software that can detect and parse one or more of these URLs and possibly place a call to the remote terminal using hardware and software at its disposal after it has been properly configured, or otherwise utilize the contents of the URL.

but many pieces of software use URLs that are not "user agents".  
The term "user agent" has a well-established usage which doesn't

correspond to this definition.

None of the URL schemes do have a 'path' in them - they are always absolute.

There are (unfortunately) a number of different documents that attempt to define "URL". This document seems to reference RFC 1738; however, the BNF and terminology for URLs and URIs were revised in the transition to Draft Standard RFC 2396; I think that it would be best to do a careful review of terminology.

For example, RFC 2396 notes that the "path" is applicable whether or not a URL has a hierarchical component. I think what the author intends to say here is something like:

The "tel", "fax" and "modem" URL schemes defined here do not use the hierarchical URL syntax; there are no applicable relative URL forms.

I don't understand the value of using encoded characters in the syntax:

```
private-prefix      = (%x21-22 / %x24-29 / %x2C-2F / %x3A /
%x3C-40 /
                    %x45-60 / %x65-7E) *(%x21-3A / %x3C-7E)
                    ; Unsafe and reserved characters must be
encoded
                    ; as explained in [RFC1738]
```

The description of <private-prefix> doesn't help.  
%x21-22 isn't a proper terminal in ABNF, as far as I can tell.  
Is this intended to mean "%x21" / "%x22", or the actual characters themselves with some note about re-encoding them when necessary?

token-char and quoted-string

are both used in 'future extension', but the definition of 'future extension' and its use is very unsatisfying. I don't understand the extensibility mechanism. An extensibility mechanism with a rule:

Implementations MUST be prepared to handle additional and/or unknown parameters gracefully. Implementations MAY opt not to use the URL if it contains unknown parameters.

is no extensibility mechanism at all; if you use an extension, it may or may not be ignored, it might make the whole thing illegal. In general, a useful extensibility mechanism needs to establish rules about when new extensions are ignored or cause processing failures.

For example, <future-extension> can be used to store application-specific additional data about the phone number, its intended use, or any conversions that have been applied to the number. Whenever a <future-extension> is used in an open environment, its syntax and usage MUST be properly documented in an RFC.

In a non-"open environment", users can do what they want, and define tel:home to mean "phone home", so the precondition just means that all future extensions require revising or updating this RFC. If that's the case, why not just leave it out?

I am unhappy with the use of local dial strings and implementation-dependent parameters in these URLs. I know that they have use in many pieces of software, just as "file:" URLs might, and I know that we allowed local dial strings in RFC 2303. But I think a stronger case should be made for allowing local information to escape. In RFC 2303, there was always the explicit context of the RHS of the email address. But "phone-context" here isn't nearly well-enough defined or itself globally unique to provide enough context to disambiguate local dial strings when sent from one system to another.

Since this memo doesn't claim to document existing practice but rather construct a new telephone number naming scheme, it would seem reasonable to push harder on global semantic consistency; if you must supply a "local dial string" then also supply the identity of at least some domain for which the dial string is local.

Maybe that would warrant using the hierarchical form, e.g.,

tel://telswitch.parc.xerox.com/4333

means "dial 4333 from a phone which has the same local dial context as 'telswitch.parc.xerox.com'".

This kind of phone number MUST NOT be used in an environment where all users of this URL might not be able to successfully dial out by using this

number directly. However, this might be appropriate for pages in a company intranet.

We constantly have problems with users putting non FQDNs in internal URLs. `http://parcweb/blah` instead of `http://parcweb.parc.xerox.com/blah` and then having non-local users not be able to reach the pages for no good reason.

With telephone calls, the problem is even worse! Someone in HR will put up a web page "Call tel:1234 for important benefits information", the page will be mentioned in some inter-divisional memo, and suddenly everyone in New York is dialing THEIR '1234' local dial string, and the person at New York's 1234 gets spammed with phone calls.

This is dangerous, and, using the local dial string syntax suggested here, unavoidable.

Don't do it.

Regards,

Larry

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by ietf.org (8.9.1a/8.9.1a) with ESMTP id HAA24416  
for <iesg@ietf.org>; Fri, 5 Nov 1999 07:34:25 -0500 (EST)  
From: antti.vaha-sipila@nokia.com  
Received: from mgw-i2.ntc.nokia.com (mgw-i2.ntc.nokia.com  
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Fri, 5 Nov 1999 14:34:08 +0200 (EET)  
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by mgw-i2.ntc.nokia.com (8.9.3/8.9.3) with ESMTP id OAA13575;  
Fri, 5 Nov 1999 14:34:05 +0200 (EET)  
Received: by esebh01nok with Internet Mail Service (5.5.2650.10)  
id <V429KNF4>; Fri, 5 Nov 1999 14:34:05 +0200  
Message-ID: <6D1A8E7871B9D211B3B00008C7490AA501D66820@treis03nok>  
To: masinter@parc.xerox.com  
Cc: lwc@roke.co.uk, faynberg@lucent.com, iesg@ietf.org,  
jdrosen@dynamicsoft.com

Subject: RE: Last Call: URLs for Telephone Calls to Proposed Standard  
Date: Fri, 5 Nov 1999 14:34:03 +0200  
MIME-Version: 1.0  
X-Mailer: Internet Mail Service (5.5.2650.10)  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit  
X-MIME-Autoconverted: from quoted-printable to 8bit by ietf.org id  
HAA24427

Hello all,

Sorry for the late reply. Here are my quick comments to Larry's input.

- > but many pieces of software use URLs that are not "user agents".
- > The term "user agent" has a well-established usage which doesn't
- > correspond to this definition.

This is true. The term "user agent" is a relict from the first draft in which it referred to the web browser. This should use some other term.

- > The description of <private-prefix> doesn't help.
- > %x21-22 isn't a proper terminal in ABNF, as far as I can tell.
- > Is this intended to mean "%x21" / "%x22", or the actual
- > characters themselves with some note about re-encoding them
- > when necessary?

%xXX-YY is defined in RFC2234 (ABNF) section 3.4 - Value range alternatives.  
It means all characters between hex XX and hex YY, inclusive.

About future extensions:

- > In a non-"open environment", users can do what they want, and
- > define tel:home to mean "phone home", so the precondition just
- > means that all future extensions require revising or updating
- > this RFC. If that's the case, why not just leave it out?

This was added to encourage people to document their extensions. There are many cases where some spec has been "enhanced" by a company, and these "enhancements" have not been properly documented or peer-reviewed. If this reminder is excessive, it's ok to drop it.

It seems that I can agree with everything else, but I would like to get comments to the following from the people I've cc'd.

- > Since this memo doesn't claim to document existing practice but
- > rather construct a new telephone number naming scheme, it would
- > seem reasonable to push harder on global semantic consistency;
- > if you must supply a "local dial string" then also supply the
- > identity of at least some domain for which the dial string is local.
- > Maybe that would warrant using the hierarchical form, e.g.,
- >
- >     tel://telswitch.parc.xerox.com/4333
- >
- > means "dial 4333 from a phone which has the same
- > local dial context as 'telswitch.parc.xerox.com'".

The problem is, that there may be no domain name for the location for which the dial string is local, and it can be local to more than one domains, and the same domain may span several different numbering areas. An option could be to make at least one <area-specifier> a mandatory parameter for local dial strings instead.

Would this satisfy the requirement?

Best regards,

Antti

--

Antti Vahä-Sipilä / Nokia Mobile Phones

Send personal electronic mail to avs@iki.fi only.

My views and opinions are not necessarily those of my employer.

New email address from 20th Sep 1999: antti.vaha-sipila@nokia.com

- > -----Original Message-----
- > From: EXT Larry Masinter [mailto:masinter@parc.xerox.com]
- > Sent: 16. October 1999 22:25
- > To: iesg@ietf.org; antti.vaha-sipila@nokia.com
- > Cc: ietf-uri@w3.org
- > Subject: RE: Last Call: URLs for Telephone Calls to Proposed Standard
- >
- >
- > Comments on draft-antti-telephony-url-11.txt:
- >
- > The first two paragraphs of section 1.1 should either be

> edited into a 'history' appendix or else just removed  
> from the final document.  
>  
> "Formal definitions follow [RFC2234]."  
> But only the ABNF used in formal definitions follow 2234.  
>  
>  
> "Requirements are indicated by capitalized words as  
> specified in [RFC2119]."  
>  
> but RFC 2119 says:  
>  
>     Authors who follow these guidelines  
>     should incorporate this phrase near the beginning of their  
> document:  
>  
>     The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL  
>     NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and  
>     "OPTIONAL" in this document are to be interpreted as  
> described in  
>     RFC 2119.  
>  
> since, of course, other words are capitalized.  
>  
>     In this document, "user agent" means software that can detect and  
>     parse one or more of these URLs and possibly place a call to the  
>     remote terminal using hardware and software at its  
> disposal after it  
>     has been properly configured, or otherwise utilize the contents of  
>     the URL.  
>  
> but many pieces of software use URLs that are not "user agents".  
> The term "user agent" has a well-established usage which doesn't  
> correspond to this definition.  
>  
>     None of the URL schemes do have a 'path' in them - they are always  
>     absolute.  
>  
> There are (unfortunately) a number of different documents that  
> attempt to define "URL". This document seems to reference RFC 1738;  
> however, the BNF and terminology for URLs and URIs were revised  
> in the transition to Draft Standard RFC 2396; I think that it  
> would be best to do a careful review of terminology.  
>  
> For example, RFC 2396 notes that the "path" is applicable whether  
> or not a URL has a hierarchical component. I think what the author

> intends to say here is something like:

>

> The "tel", "fax" and "modem" URL schemes defined here do not

> use the hierarchical URL syntax; there are no applicable

> relative URL forms.

>

> I don't understand the value of using encoded characters in the

> syntax:

>

>       private-prefix               = (%x21-22 / %x24-29 / %x2C-2F /

> %x3A / %x3C-40 /

>                                       %x45-60 / %x65-7E) \*(%x21-3A / %x3C-7E)

>                                       ; Unsafe and reserved

> characters must be encoded

>                                       ; as explained in [RFC1738]

>

> The description of <private-prefix> doesn't help.

> %x21-22 isn't a proper terminal in ABNF, as far as I can tell.

> Is this intended to mean "%x21" / "%x22", or the actual

> characters themselves with some note about re-encoding them

> when necessary?

>

>

>       token-char and quoted-string

>

> are both used in 'future extension', but the definition of

> 'future extension' and its use is very unsatisfying. I don't

> understand the extensibility mechanism. An extensibility mechanism

> with a rule:

>

>       Implementations MUST be prepared to handle additional

> and/or unknown

>       parameters gracefully. Implementations MAY opt not to use

> the URL if

>       it contains unknown parameters.

>

> is no extensibility mechanism at all; if you use an extension,

> it may or may not be ignored, it might make the whole thing

> illegal. In general, a useful extensibility mechanism needs

> to establish rules about when new extensions are ignored or

> cause processing failures.

>

>       For example, <future-extension> can be used to store application-

>       specific additional data about the phone number, its

> intended use, or

>       any conversions that have been applied to the number. Whenever a

> <future-extension> is used in an open environment, its syntax and  
> usage MUST be properly documented in an RFC.  
>  
> In a non-"open environment", users can do what they want, and  
> define tel:home to mean "phone home", so the precondition just  
> means that all future extensions require revising or updating  
> this RFC. If that's the case, why not just leave it out?  
>  
> I am unhappy with the use of local dial strings and  
> implementation-dependent parameters in these URLs. I know that  
> they have use in many pieces of software, just as "file:" URLs  
> might, and I know that we allowed local dial strings in RFC 2303.  
> But I think a stronger case should be made for allowing local  
> information to escape. In RFC 2303, there was always the explicit  
> context of the RHS of the email address. But "phone-context"  
> here isn't nearly well-enough defined or itself globally  
> unique to provide enough context to disambiguate local dial strings  
> when sent from one system to another.  
>  
> Since this memo doesn't claim to document existing practice but  
> rather construct a new telephone number naming scheme, it would  
> seem reasonable to push harder on global semantic consistency;  
> if you must supply a "local dial string" then also supply the  
> identity of at least some domain for which the dial string is local.  
>  
> Maybe that would warrant using the hierarchical form, e.g.,  
>  
>     tel://telswitch.parc.xerox.com/4333  
>  
> means "dial 4333 from a phone which has the same  
> local dial context as 'telswitch.parc.xerox.com'".  
>  
>  
>     This kind of  
>     phone number MUST NOT be used in an environment where all users of  
>     this URL might not be able to successfully dial out by using this  
>     number directly. However, this might be appropriate for pages in a  
>     company intranet.  
>  
> We constantly have problems with users putting non FQDNs in  
> internal URLs. http://parcweb/blah instead  
> of http://parcweb.parc.xerox.com/blah and then having non-local  
> users not be able to reach the pages for no good reason.  
>  
> With telephone calls, the problem is even worse! Someone in HR  
> will put up a web page "Call tel:1234 for important benefits

> information",  
> the page will be mentioned in some inter-divisional memo, and  
> suddenly everyone in New York is dialing THEIR '1234' local  
> dial string, and the person at New York's 1234 gets spammed with  
> phone calls.  
>  
> This is dangerous, and, using the local dial string syntax suggested  
> here, unavoidable.  
>  
> Don't do it.  
>  
> Regards,  
>  
> Larry  
>  
>

Received: from optimus.ietf.org (ietf.org [132.151.1.19] (may be  
forged))  
by ietf.org (8.9.1a/8.9.1a) with ESMTTP id MAA04594  
for <iesg-archive@lists.ietf.org>; Fri, 5 Sep 2003 12:36:25 -0400  
(EDT)  
Received: from localhost.localdomain ([127.0.0.1] helo=www1.ietf.org)  
by optimus.ietf.org with esmtp (Exim 4.20)  
id 19vJZ3-0007BV-Ou; Fri, 05 Sep 2003 12:36:01 -0400  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by optimus.ietf.org with esmtp (Exim 4.20)  
id 19vJYr-00079h-Id  
for iesg@optimus.ietf.org; Fri, 05 Sep 2003 12:35:49 -0400  
Received: from ietf-mx (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTTP id MAA04553  
for <iesg@ietf.org>; Fri, 5 Sep 2003 12:35:42 -0400 (EDT)  
Received: from ietf-mx ([132.151.6.1])  
by ietf-mx with esmtp (Exim 4.12)  
id 19vJYp-0006E9-00  
for iesg@ietf.org; Fri, 05 Sep 2003 12:35:48 -0400  
Received: from above.proper.com ([208.184.76.39])  
by ietf-mx with esmtp (Exim 4.12)  
id 19vJYp-0006E2-00  
for iesg@ietf.org; Fri, 05 Sep 2003 12:35:47 -0400  
Received: from [63.202.92.152]  
(adsl-63-202-92-152.dsl.snfc21.pacbell.net [63.202.92.152])  
(authenticated bits=0)  
by above.proper.com (8.12.9/8.12.8) with ESMTTP id h85GZhgf050466  
for <iesg@ietf.org>; Fri, 5 Sep 2003 09:35:45 -0700 (PDT)

(envelope-from phoffman@imc.org)  
Mime-Version: 1.0  
X-Sender: phoffman@mail.imc.org  
Message-Id: <p05210630bb7e68d9fb27@[63.202.92.152]>  
X-Habeas-SWE-1: winter into spring  
X-Habeas-SWE-2: brightly anticipated  
X-Habeas-SWE-3: like Habeas SWE (tm)  
X-Habeas-SWE-4: Copyright 2002 Habeas (tm)  
X-Habeas-SWE-5: Sender Warranted Email (SWE) (tm). The sender of this  
X-Habeas-SWE-6: email in exchange for a license for this Habeas  
X-Habeas-SWE-7: warrant mark warrants that this is a Habeas Compliant  
X-Habeas-SWE-8: Message (HCM) and not spam. Please report use of this  
X-Habeas-SWE-9: mark in spam to <<http://www.habeas.com/report>>.  
Date: Fri, 5 Sep 2003 09:37:23 -0700  
To: iesg@ietf.org  
From: Paul Hoffman / IMC <phoffman@imc.org>  
Subject: How to handle URIs for old protocols  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"  
Sender: iesg-admin@ietf.org  
Errors-To: iesg-admin@ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.0.12  
Precedence: bulk  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Id: <iesg.ietf.org>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>

Greetings again. At the request of the folks at the URI BOF in San Francisco, I wrote draft-hoffman-rfc1738bis-00.txt. Its purpose is to allow RFC 1738 to be made historic. An interesting wrinkle has come up.

My draft copies the old URI info for dusty protocols such as Gopher (among others). Some folks have asked that I drop these descriptions, forcing people who care about those URI schemes to refer to the will-be-historic RFC 1738. However, the definition of the Gopher protocol is not historic; it's just dusty.

Does the IESG see an issue with making historic the URI specification for a non-historic protocol? If not, I'm happy to remove them from my draft. If you do have an issue with it, I'll leave them in.

--Paul Hoffman, Director  
--Internet Mail Consortium

Received: from optimus.ietf.org (ietf.org [132.151.1.19] (may be  
forged))  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id NAA23801  
for <iesg-archive@lists.ietf.org>; Thu, 18 Sep 2003 13:08:23 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1] helo=www1.ietf.org)  
by optimus.ietf.org with esmtp (Exim 4.20)  
id 1A02G9-0000VH-S0; Thu, 18 Sep 2003 13:08:01 -0400

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by optimus.ietf.org with esmtp (Exim 4.20)  
id 1A02Fq-000001-H7  
for iesg@optimus.ietf.org; Thu, 18 Sep 2003 13:07:42 -0400

Received: from ietf-mx (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id NAA23775  
for <iesg@ietf.org>; Thu, 18 Sep 2003 13:07:33 -0400 (EDT)

From: hardie@qualcomm.com

Received: from ietf-mx ([132.151.6.1])  
by ietf-mx with esmtp (Exim 4.12)  
id 1A02Fo-0003sl-00  
for iesg@ietf.org; Thu, 18 Sep 2003 13:07:40 -0400

Received: from ithilien.qualcomm.com ([129.46.51.59])  
by ietf-mx with esmtp (Exim 4.12)  
id 1A02Fo-0003sh-00  
for iesg@ietf.org; Thu, 18 Sep 2003 13:07:40 -0400

Received: from crowley.qualcomm.com (crowley.qualcomm.com  
[129.46.61.151])  
by ithilien.qualcomm.com (8.12.9/8.12.5/1.0) with ESMTP id  
h8IH7buI005481

for <iesg@ietf.org>; Thu, 18 Sep 2003 10:07:38 -0700 (PDT)  
Received: from [205.214.163.74] (vpn-10-50-0-127.qualcomm.com  
[10.50.0.127])

by crowley.qualcomm.com (8.12.9/8.12.5/1.0) with ESMTP id  
h8IH7Xix001402  
for <iesg@ietf.org>; Thu, 18 Sep 2003 10:07:35 -0700 (PDT)

Mime-Version: 1.0

X-Sender: hardie@mage.qualcomm.com

Message-Id: <p06002006bb8f963b67ce@[205.214.163.74]>

Date: Thu, 18 Sep 2003 10:07:40 -0700

To: iesg@ietf.org

Subject: pkix warranty comment

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Sender: iesg-admin@ietf.org  
Errors-To: iesg-admin@ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.0.12  
Precedence: bulk  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Id: <[iesg.ietf.org](mailto:iesg@ietf.org)>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>

When present, the terms and conditions pointer provides a reference to a document containing the terms and conditions associated with the warranty. The document may be a Certificate Policy that contains this information, or it may be a document specifically about the warranty. It may also be a Relying Party Agreement. The pointer is always a uniform resource locator (URL). The URL MUST be a non-relative URL, and it MUST follow the URL syntax and encoding rules specified in RFC 1738 [URL].

\*\*\*\*>>I Think they should point to URI, 2636, and the "non-relative URL" indicates that they presume this is a dereferencable document. There are many URIs which are not which might be sensible here which are not dereferencable.

Received: from optimus.ietf.org ([132.151.1.19])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA00740  
for <[iesg-archive@lists.ietf.org](mailto:iesg-archive@lists.ietf.org)>; Mon, 15 Dec 2003 16:24:28 -0500 (EST)  
Received: from localhost.localdomain ([127.0.0.1] helo=www1.ietf.org)  
by optimus.ietf.org with esmtp (Exim 4.20)  
id 1AW0C8-0007zv-Si; Mon, 15 Dec 2003 16:24:00 -0500  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by optimus.ietf.org with esmtp (Exim 4.20)  
id 1AW0C2-0007zg-Nc  
for iesg@optimus.ietf.org; Mon, 15 Dec 2003 16:23:54 -0500  
Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA00708;  
Mon, 15 Dec 2003 16:23:51 -0500 (EST)  
Message-Id: <200312152123.QAA00708@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org  
Cc: bfuller@foretec.com, amyk@foretec.com  
Subject: UPDATED Agenda and Package for December 18, 2003 Telechat  
Date: Mon, 15 Dec 2003 16:23:51 -0500  
Sender: iesg-admin@ietf.org  
Errors-To: iesg-admin@ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.0.12  
Precedence: bulk  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Id: <iesg.ietf.org>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the December 18, 2003 IESG Teleconference

This agenda was generated at 15:54:37 EDT, December 15, 2003

1. Administrivia

- o Roll Call
- o Bash the Agenda
- o Approval of the Minutes
- o Review of Action Items

2. Protocol Actions

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-sip-authid-body-02.txt  
SIP Authenticated Identity Body (AIB) Format (Proposed Standard) - 1 of 14  
Token: Allison Mankin
- o draft-ietf-sip-replaces-04.txt  
The Session Initiation Protocol (SIP) 'Replaces' Header (Proposed Standard) - 2 of 14  
Note: Normatively depends on AIB/Referred-by for security  
all on  
2003-12-18 agenda.  
Token: Allison Mankin

- o draft-ietf-mpls-in-ip-or-gre-03.txt  
Encapsulating MPLS in IP or Generic Routing Encapsulation (GRE)  
(Proposed Standard) - 3 of 14  
Token: Alex Zinin
- o draft-ietf-xmpp-core-20.txt  
Extensible Messaging and Presence Protocol (XMPP): Core (Proposed Standard) - 4 of 14  
Token: Ted Hardie
- o draft-ietf-xmpp-im-19.txt  
Extensible Messaging and Presence Protocol (XMPP): Instant Messaging  
and Presence (Proposed Standard) - 5 of 14  
Token: Ted Hardie
- o draft-ietf-dhc-dhcpv6-opt-nisconfig-05.txt  
NIS Configuration Options for DHCPv6 (Proposed Standard) - 6 of 14  
Note: This document was removed from the (extremely busy) 20-Nov agenda,  
when we found that it didn't properly address Thomas' AD review comments.  
So, even if this ends-up in the "returning" section, this is really its first time through the full IESG.  
Token: Margaret Wasserman
- o draft-ietf-ipsec-udp-encaps-07.txt  
UDP Encapsulation of IPsec Packets (Proposed Standard) - 7 of 14  
Token: Russ Housley
- o draft-ietf-ospf-scalability-06.txt  
Prioritized Treatment of Specific OSPF Packets and Congestion Avoidance (BCP) - 8 of 14  
Token: Bill Fenner
- o draft-ietf-mmusic-sdp-bwparam-05.txt  
A Transport Independent Bandwidth Modifier for the Session Description Protocol (SDP) (Proposed Standard) - 9 of 14  
Token: Jon Peterson
- o draft-ietf-sip-referredby-03.txt  
The SIP Referred-By Mechanism (Proposed Standard) - 10 of 14  
Token: Allison Mankin
- o draft-ietf-tsvwg-prsctp-02.txt  
SCTP Partial Reliability Extension (Proposed Standard) - 11 of 14  
Token: Jon Peterson
- o draft-ietf-pkix-proxy-09.txt  
Internet X.509 Public Key Infrastructure Proxy Certificate Profile (Proposed Standard) - 12 of 14

Token: Russ Housley

- o draft-ietf-rohc-ip-only-05.txt  
 Robust Header Compression (ROHC): A Compression Profile for IP  
 (Proposed Standard) - 13 of 14  
 Note: Significant amounts of WG review occurred, led by co-chair, since other co-chair is an author...Applicability could be more clearly stated, but the context is IP tunnels in particular.

Token: Allison Mankin

- o draft-ietf-sip-callee-caps-02.txt  
 Indicating User Agent Capabilities in the Session Initiation Protocol (SIP) (Proposed Standard) - 14 of 14  
 Note: Mid-course Applications area review, as with caller prefs, resulted in use of 2506/2533 media features approach. . Security review of companion draft caller prefs (approved with a Security note on 4 Dec) has been factored in to Security Considerations of this i-d.

Token: Allison Mankin

#### 2.1.2 Returning Item

- o draft-ietf-eap-rfc2284bis-07.txt  
 Extensible Authentication Protocol (EAP) (Proposed Standard) - 1 of 1  
 Note: Deferred from 2003-12-4 telechat.

Token: Margaret Wasserman

### 2.2 Individual Submissions

#### 2.2.1 New Item

- o draft-ietf-ldapext-matchedval-07.txt  
 Returning Matched Values with LDAPv3 (Proposed Standard) - 1 of 5  
 Token: Ted Hardie
- o draft-singer-jp2-02.txt  
 MIME Type Registrations for ISO/IEC 15444 (Proposed Standard) - 2 of 5  
 Note: Reviewed security considerations, nits, textual contexts, status of referenced standards - looks ready for Last Call.. Will need section reference rather than "see above" in MIME definition Security Considerations, but this can be fixed in RFC Editor note.

Token: Allison Mankin

- o draft-freed-mime-p4-04.txt  
 Multipurpose Internet Mail Extensions (MIME) Part Four: Registration

Procedures (BCP) - 3 of 5

Token: Ted Hardie

- o draft-savola-bcp38-multihoming-update-02.txt

Ingress Filtering for Multihomed Networks (BCP) - 4 of 5

Token: Bert Wijnen

- o draft-newman-esmtlsa-01.txt

ESMTP and LMTP Transmission Types Registration (Proposed Standard) -

5 of

5

Token: Ned Freed

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

- o draft-ietf-ipv6-node-requirements-07.txt

IPv6 Node Requirements (Informational) - 1 of 2

Token: Margaret Wasserman

- o Eight-document ballot: - 2 of 2

- draft-ietf-v6ops-ipv4survey-intro-05.txt

Introduction to the Survey of IPv4 Addresses in Currently

Deployed IETF

Standards (Informational)

- draft-ietf-v6ops-ipv4survey-apps-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Application

Area

Standards (Informational)

- draft-ietf-v6ops-ipv4survey-ops-04.txt

Survey of IPv4 Addresses in Currently Deployed IETF Operations & Management Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-int-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Internet Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-routing-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Routing Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-sec-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Security Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-subip-04.txt

Survey of IPv4 Addresses in Currently Deployed IETF Sub-IP Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-trans-05.txt

Survey of IPv4 Addresses in Currently Deployed IETF Transport

## Area

Standards (Informational)

Token: Bert Wijnen

### 3.1.2 Returning Item

- o draft-ietf-xmlsig-xc14n-02.txt

Exclusive XML Canonicalization, Version 1.0 (Informational) - 1 of 2

Note: The revised draft includes the changes requested by Randy

Bush.· It

is back on the agenda to confirm that there are no further concerns.

Token: Russ Housley

- o draft-ietf-send-psreq-04.txt

IPv6 Neighbor Discovery trust models and threats (Informational) - 2  
of 2

Note: Back on the agenda to address minor comments from Thomas, Ted  
and

Russ.

Token: Margaret Wasserman

## 3.2 Individual Submissions Via AD

### 3.2.1 New Item

- o draft-sbml-media-type-02.txt

MIME Media Type for SBML, the Systems Biology Markup Language  
(Informational) - 1 of 1

Note: Nit: RFC 3023 should be a normative, not informative,  
reference

Token: Ned Freed

### 3.2.2 Returning Item

- o draft-nakajima-camellia-03.txt

A Description of the Camellia Encryption Algorithm (Informational) -  
1 of

1

Token: Steve Bellovin

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

- o draft-jseng-idn-admin-05.txt

Internationalized Domain Names Registration and Administration  
Guideline

for Chinese, Japanese and Korean (Informational) - 1 of 1

Token: Harald Alvestrand

### 3.3.2 Returning Item

NONE

#### 4. Working Group Actions

##### 4.1 WG Creation

###### 4.1.1 Proposed for IETF Review

NONE

###### 4.1.2 Proposed for Approval

NONE

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

###### 4.2.2 Proposed for Approval

NONE

#### 5. Agenda Working Group News

#### 6. IAB News We can use

#### 7. Management Issue

##### 7.1 Closing GSMP WG or not (Bert Wijnen)

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### INTERNET ENGINEERING STEERING GROUP (IESG) Agenda for the December 18, 2003 IESG Teleconference

This package was generated at 15:54:38 EDT, December 15, 2003.

#### 1. Administrivia

##### 1.1 Roll Call

Dear IESG Members,

The communications company the IETF Secretariat uses for it's audio conferencing has upgraded its system. Starting the December 18, 2003 IESG Teleconference, the dial in number and participant passcode has changed. Another change that you may find useful, is that there are now more than twice as many countries that have toll-free call in numbers available.

Please follow the directions below. If you have any difficulty connecting to the call, please let us know immediately via the IESG Jabber IM.

Thank you,

Amy for the IESG Secretary

Dear IESG Members:

The next IESG teleconference will take place on Thursday, December 18, 2003 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Harald Alvestrand---Will call in  
Rob Austein---Will call in  
Steve Bellovin---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Bill Fenner---Will call in  
Ned Freed---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Russ Housley---Will call in  
Allison Mankin---Will call in  
Thomas Narten--- Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Dinara Suleymanova--- Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9505.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own

long distance charges through their own carriers. Participants dialing the

toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to

the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other

participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

ARGENTINA---0800-666-0617

AUSTRALIA---1800-00-6528

AUSTRIA---0800291184

BAHAMAS---18003890377

BELGIUM---080070188

CHINA---10800-1400664

DENMARK---80880893

DOMINICAN REPUBLIC---18887514614

FINLAND---08001-15257

FRANCE---0800-90-8816

GERMANY---0800-181-3745

GREECE---0080016122032153

HONG KONG---800-96-6252

HUNGARY---06-800-16067

ICELAND---8008227

INDONESIA---008800105574

IRELAND---1800504081

ISRAEL---18009300182  
ITALY---800785974  
JAPAN---00531-16-0368  
KOREA (SOUTH)---00308140476  
LUXEMBOURG---80024290  
MEXICO---001-800-514-1216  
NETHERLANDS---08000223529  
NEW ZEALAND---0800442168  
NORWAY---800-15-944  
POLAND---008001114628  
PORTUGAL---800819347  
RUSSIAN FEDERATION--- 81080023441012  
SAINT KITTS AND NEVIS---18007449302  
SINGAPORE---8001011359  
SOUTH AFRICA---0800994903  
SPAIN---900981550  
SWEDEN---020-0285734  
SWITZERLAND---0800563891  
THIALAND---0018001562039121  
UNITED KINGDOM---0800-917-5761

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

## 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the December 4, 2003 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

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Harald Alvestrand / Cisco  
Rob Austein / IAB Liaison  
Steve Bellovin / AT&T  
Steve Conte / ICANN  
Michelle Cotton / ICANN  
Leslie Daigle / Verisign (IAB)  
Bill Fenner / AT&T  
Ned Freed / Sun Microsystems

Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Russ Housley / Vigil Security, LLC  
Allison Mankin / Bell Labs, Lucent  
Thomas Narten / IBM  
Jon Peterson / NeuStar, Inc.  
Dinara Suleymanova / IETF Secretariat  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / Nokia  
Bert Wijnen / Lucent  
Alex Zinin / Alcatel

#### REGRETS

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Joyce K. Reynolds / ISI (RFC Editor)

#### MINUTES

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##### 1. Administrivia

##### 1.1 Approval of the Minutes

The minutes of the November 20, 2003 Teleconference were approved.  
The Secretariat will place the minutes in the public archives.

##### 1.2 Review of Action Items

#### DONE:

- o Ted Hardie to take responsibility for initiating a discussion on applications' expectations on the behavior of the DNS system.
- o Harald Alvestrand to write a proposed update to the IESG Teleconference timeline. The update will move submission of items for the preliminary agenda to the Thursday before the teleconference, and will suggest that the ADs inform the IESG when they wish to submit items later than the deadline.
- o Harald Alvestrand to send a note for the Secretariat to send to the RFC Editor on behalf of the IESG regarding David Jablon's request that the IPR WG guidelines document not be published.
- o The Secretariat to send the preliminary agenda for the December 4, 2003 IESG Teleconference on Wednesday, November 26, 2003, to accommodate the US Thanksgiving Holiday Weekend.

#### DELETED:

NONE

IN PROGRESS:

- o Thomas Narten to write (or cause to be written) a draft on "how to get to Draft".
- o Thomas Narten to contact Cablelabs to discuss formal relationship with IAB.
- o Steve Bellovin to write RFC re: TCP MD5 option.
- o Bill Fenner to generate a description of policy about a) meetings using the network in conjunction with IETF meetings, and b) putting experiments on the network during the IETF meeting.
- o Steve Bellovin to initiate a discussion on the general ACL issue.
- o Steve Bellovin to summarize changes to requirements for RFCs, Internet-Drafts and procedures based on the IPR documents. Steve should report back on the next IESG telechat.

NEW:

- o Thomas Narten to draft two announcement messages to replace the announcement message proposed by Margaret Wasserman regarding the MPOWR WG and the Design Team.
- o The Secretariat will post the revised telechat timeline on the Internal IESG Web Page.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-sip-callerprefs-10.txt - 1 of 13

Caller Preferences for the Session Initiation Protocol (SIP)  
(Proposed Standard)

Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

- o draft-ietf-ccamp-lmp-wdm-02.txt - 2 of 13

Link Management Protocol (LMP) for Dense Wavelength Division  
Multiplexing (DWDM) Optical Line Systems (Proposed Standard)

Token: Bert Wijnen

The document remains under discussion by the IESG in order to resolve points raised by Ted Hardie and Bert Wijnen.\*

o draft-ietf-ccamp-lmp-test-sonet-sdh-03.txt - 3 of 13  
SONET/SDH Encoding for Link Management Protocol (LMP) Test messages  
(Proposed Standard)  
Token: Bert Wijnen

The document remains under discussion by the IESG in order to  
resolve points raised by Bert Wijnen.\*

o draft-ietf-trade-ecml2-spec-08.txt - 4 of 13  
Electronic Commerce Modeling Language (ECML):Version 2 Specification  
(Proposed Standard)  
Token: Ned Freed

The document remains under discussion by the IESG in order to  
resolve points raised by Steve Bellovin, Ted Hardie, and Russ  
Housley.\*

o draft-ietf-trade-voucher-lang-05.txt - 5 of 13  
XML Voucher: Generic Voucher Language (Proposed Standard)  
Token: Ned Freed

The document remains under discussion by the IESG in order to  
resolve points raised by Steve Bellovin, Ted Hardie, and Russ  
Housley.\*

o draft-ietf-enum-sip-01.txt - 6 of 13  
enumservice registration for SIP Addresses-of-Record (Proposed  
Standard)  
Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note  
to be prepared by Allison Mankin. The Secretariat will send a working  
group submission Protocol Action Announcement that includes the  
RFC Editor Note.

o draft-ietf-krb-wg-kerberos-clarifications-04.txt - 7 of 13  
The Kerberos Network Authentication Service (V5) (Proposed Standard)  
Token: Russ Housley

The document remains under discussion by the IESG in order to  
resolve points raised by Steve Bellovin, Ted Hardie, and Allison  
Mankin.\*

o draft-ietf-enum-h323-01.txt - 8 of 13  
ENUM Service Registration for H.323 URL (Proposed Standard)

Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-ipv6-rfc2096-update-05.txt - 9 of 13  
IP Forwarding Table MIB (Proposed Standard)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Bert Wijnen and Alex Zinin.\*

o draft-ietf-ipseckey-rr-07.txt - 10 of 13  
A method for storing IPsec keying material in DNS (Proposed Standard)

Token: Steve Bellovin

The document remains under discussion by the IESG in order to resolve points raised by Thomas Narten, and Bert Wijnen.\*

o draft-ietf-dhc-dhcpv6-stateless-02.txt - 11 of 13  
A Guide to Implementing Stateless DHCPv6 Service (Proposed Standard)

Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Thomas Narten, Bert Wijnen, and Alex Zinin.\*

o draft-ietf-ipv6-rfc2012-update-05.txt - 12 of 13  
Management Information Base for the Transmission Control Protocol (TCP) (Proposed Standard)

Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Allison Mankin and Bert Wijnen.\*

o draft-ietf-pppext-vendor-protocol-01.txt - 13 of 13  
PPP Vendor Protocol (Proposed Standard)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Thomas Narten.\*

#### 2.1.2 Returning Item

o Two-document ballot: - 1 of 4  
- draft-ietf-mpls-tc-mib-10.txt

Definitions of Textual Conventions for Multiprotocol Label Switching (MPLS) Management (Proposed Standard)  
- draft-ietf-mpls-mgmt-overview-09.txt  
Multiprotocol Label Switching (MPLS) Management Overview (Informational)  
Token: Alex Zinin

These documents were approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-mpls-lsr-mib-14.txt - 2 of 4  
Multiprotocol Label Switching (MPLS) Label Switching Router (LSR) Management Information Base (Proposed Standard)  
Token: Alex Zinin

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-imapext-condstore-05.txt - 3 of 4  
IMAP Extension for Conditional STORE operation (Proposed Standard)  
Token: Ned Freed

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-pkix-x509-ipaddr-as-extn-03.txt - 4 of 4  
X.509 Extensions for IP Addresses and AS Identifiers (Proposed Standard)  
Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Ted Hardie.\*

## 2.2 Individual Submissions

### 2.2.1 New Item

o draft-daboo-sieve-spamtest-04.txt - 1 of 2  
SIEVE Spamtest and Virustest Extensions (Proposed Standard)  
Token: Ned Freed

The document was approved by the IESG. The Secretariat will send an individual submission Protocol Action Announcement.

o draft-melnikov-imap-unselect-01.txt - 2 of 2  
IMAP UNSELECT command (Proposed Standard)  
Token: Ned Freed

The document was approved by the IESG pending an RFC Editor Note to be prepared by Ned Freed. The Secretariat will send an individual

submission Protocol Action Announcement that includes the RFC Editor Note.

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-pwe3-requirements-07.txt - 1 of 4  
Requirements for Pseudo-Wire Emulation Edge-to-Edge (PWE3)  
(Informational)  
Token: Jon Peterson

The document remains under discussion by the IESG.\*

o draft-ietf-pwe3-arch-06.txt - 2 of 4  
PWE3 Architecture (Informational)  
Token: Jon Peterson

The document remains under discussion by the IESG.\*

o draft-ietf-dnsext-dns-threats-05.txt - 3 of 4  
Threat Analysis Of The Domain Name System (Informational)  
Token: Thomas Narten

The document remains under discussion by the IESG.\*

o draft-ietf-sipping-e164-04.txt - 4 of 4  
Using E.164 numbers with the Session Initiation Protocol (SIP)  
(Informational)  
Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Document Action Announcement that includes the RFC Editor Note.

#### 3.1.2 Returning Item

NONE

## 3.2 Individual Submissions Via AD

### 3.2.1 New Item

o draft-sarcar-snoop-new-types-01.txt - 1 of 1  
Additional Snoop Datalink Types (Informational)  
Token: Thomas Narten

The document was approved by the IESG. The Secretariat will send An individual submission Document Action Announcement.

### 3.2.2 Returning Item

NONE

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

o draft-bless-diffserv-multicast-07.txt - 1 of 2

IP Multicast in Differentiated Services Networks (Informational)

Token: Bill Fenner

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor.

o draft-ogura-mapos-nsp-multiexp-02.txt - 2 of 2

A Multicast Extension to MAPOS NSP (Node Switch Protocol)  
(Informational)

Token: Thomas Narten

The IESG recommends that this document not be published as an Informational RFC. The Secretariat will send a "do not publish" message to the RFC Editor that includes an explanation of the decision to be prepared by Thomas Narten.

### 3.3.3 To be assigned - 1 of 1

o draft-adams-cmpaltcert-02.txt

Alternative Certificate Formats for PKIX-CMP (Informational)

The document was assigned to Russ Housley.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

o Control And Provisioning of Wireless Access Points (capwap)- 1 of 1

Token: Bert Wijnen

The charter for the proposed working group remains under discussion by the IESG. The Secretariat will take no further action until instructed to do so by Bert Wijnen.

#### 4.1.2 Proposed for Approval

NONE

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

o Extended Incident Handling (inch) - 1 of 1

Token: Steve Bellovin

The IESG approved the updated charter for the working group.  
The Secretariat will send a WG Action: RECHARTER announcement.

##### 4.2.2 Proposed for Approval

NONE

#### 5. Working Group News We Can Use

#### 6. IAB News We Can Use

#### 7. Management Issues

##### 7.1 Telechat Timeline (Harald Alvestrand)

The management issue was discussed. The IESG has approved the revised timeline. The Secretariat will post the revised telechat timeline on the Internal IESG Web Page.

##### 7.2 IPO WG (Alex Zinin)

The management issue was discussed.

##### 7.3 System port for draft-klensin (Harald Alvestrand)

The management issue was discussed.

-----  
\* Please see the ID Tracker

(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details on documents that are under discussion by the IESG.

## 1. Administrivia

### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: December 8, 2003

- IP o Thomas Narten to write (or cause to be written) a draft on "how to get to Draft".
- IP o Thomas Narten to contact Cablelabs to discuss formal relationship with IAB.
- IP o Steve Bellovin to write RFC re: TCP MD5 option.
- IP o Bill Fenner to generate a description of policy about
  - a) meetings using the network in conjunction with IETF meetings, and b)
  - putting experiments on the network during the IETF meeting.
- IP o Steve Bellovin to initiate a discussion on the general ACL issue.
- IP o Steve Bellovin to summarize changes to requirements for RFCs, Internet-Drafts and procedures based on the IPR documents. Steve should report back on the next IESG telechat.
- IP o Thomas Narten to draft two announcement messages to replace the announcement message proposed by Margaret Wasserman regarding the MPOWR WG and the Design Team.
- IP o The Secretariat will post the revised telechat timeline on the Internal IESG Web Page.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 14

- o draft-ietf-sip-authid-body-02.txt
  - SIP Authenticated Identity Body (AIB) Format (Proposed Standard)
  - Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sip-authid-body-02.txt to Proposed Standard

-----

Evaluation for draft-ietf-sip-authid-body-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9635&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9635&rfc_flag=0)

Last Call to expire on: 2003-11-28

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ X ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

Discuss:

Formalism DISCUSS:

This document does not contain a reference to RFC 2183 (content-disposition).

Ned Freed:

Comment:

No IPR boilerplate

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>, <sip@ietf.org>  
Subject: Protocol Action: 'SIP Authenticated Identity Body (AIB)  
Format' to Proposed Standard

The IESG has approved following document:

- 'SIP Authenticated Identity Body (AIB) Format '  
<draft-ietf-sip-authid-body-02.txt> as a Proposed Standard

This document is the product of the Session Initiation Protocol Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

RFC3261 introduces the concept of adding an S/MIME body to a SIP request or response in order to provide reference integrity over its headers. This document provides a more specific mechanism to derive integrity and authentication properties from an 'authenticated identity body', a digitally-signed SIP message or message fragment. A standard format for such bodies (known as Authenticated Identity Bodies, or AIBs) is given in this document. Some considerations for the processing of AIBs by recipients of SIP messages with such bodies are also given.

An important usage of the Authenticated Identity Body is seen in conjunction with SIP's Referred-By mechanism, the specification for which is also under review in the IETF at the time of this announcement.

#### Working Group Summary

The working group strongly supported the advancement of AIB.

#### Protocol Quality

There were review comments for this document during WG discussion. There were no dissenting comments during Working Group Last Call or IETF Last Call. The document was reviewed for the IESG by Allison Mankin.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 14

##### o draft-ietf-sip-replaces-04.txt

The Session Initiation Protocol (SIP) 'Replaces' Header (Proposed Standard)

Note: Normatively depends on AIB/Referred-by for security -  
all on  
2003-12-18 agenda.  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sip-replaces-04.txt to Proposed Standard

-----

Evaluation for draft-ietf-sip-replaces-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8201&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8201&rfc_flag=0)

Last Call to expire on: 2002-06-03

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ X ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

## DISCUSSES AND COMMENTS:

=====

Steve Bellovin:

### Discuss:

I don't understand why certain security mechanisms are only SHOULDs and not MUSTs. For example, it says "If the Replaces header field matches an active dialog, the UA SHOULD verify". Why isn't that MUST? Beyond that, what are the mandatory-to-implement security mechanisms for this feature? The draft suggests several, but I'm left confused about what MUST be implemented.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <sip@ietf.org>

Subject: Protocol Action: 'The Session Initiation Protocol (SIP)  
'Replaces' Header' to Proposed Standard

The IESG has approved following document:

- 'The Session Initiation Protocol (SIP) 'Replaces' Header '  
<draft-ietf-sip-replaces-04.txt> as a Proposed Standard

This document is the product of the Session Initiation Protocol Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

### Technical Summary

This document defines a new header for use with SIP multi-party applications and call control. The Replaces header is used to logically replace an existing SIP dialog with a new SIP dialog. This primitive can be used to enable a variety of features, for example: "Attended Transfer" and "Call Pickup". Note that definition of these example features is non-normative.

Security considerations for this Header include strong recommendation of use of the Authenticated Identity Body and the Referred-by mechanism

use of it in authorization approaches.

#### Working Group Summary

The working group supported advancement of this document because of strong support for the enabling of distributed call control feature development.

#### Protocol Quality

The document was reviewed for the IESG by Allison Mankin and mid-course security reviewing was provided by Eric Rescorla.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 14

- o draft-ietf-mpls-in-ip-or-gre-03.txt  
Encapsulating MPLS in IP or Generic Routing Encapsulation (GRE)  
(Proposed  
Standard)  
Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-mpls-in-ip-or-gre-03.txt to Proposed Standard

-----

Evaluation for draft-ietf-mpls-in-ip-or-gre-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9825&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9825&rfc_flag=0)

Last Call to expire on: 2003-11-24

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ X ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ X ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Steve Bellovin:

Discuss:

"Just use IPsec" is too weak -- give more details. (Many carriers tout MPLS VPNs as secure; this is a major weakening if the filtering and/or IPsec are done incorrectly.)

Should 5.1 have a sentence or two about IPv6 and MTU? What to do is pretty obvious; should the document spell it out?

Ned Freed:

Comment:

Copyright section has (date) rather than actual date

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <mpls@uu.net>

Subject: Protocol Action: 'Encapsulating MPLS in IP or Generic Routing Encapsulation (GRE)' to Proposed Standard

The IESG has approved following document:

- 'Encapsulating MPLS in IP or Generic Routing Encapsulation (GRE) '  
<draft-ietf-mpls-in-ip-or-gre-03.txt> as a Proposed Standard

This document is the product of the Multiprotocol Label Switching Working Group.

The IESG contact persons are Alex Zinin and Bill Fenner.

#### Technical Summary

In various applications of MPLS, label stacks with multiple entries are used. In some cases, it is possible to replace the top label of the stack with an IP-based encapsulation, thereby enabling the application to run over networks which do not have MPLS enabled in their core routers. This draft specifies two IP-based encapsulations, MPLS-in-IP, and MPLS-in-GRE (Generic Routing Encapsulation). Each of these is applicable in some circumstances.

#### Working Group Summary

The draft has gone through a discussion within the WG and the WG LC. There was a WG consensus on this document.

#### Protocol Quality

The document has been review for the IESG by Alex Zinin and Routing Area Directorate.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 14

- o draft-ietf-xmpp-core-20.txt  
Extensible Messaging and Presence Protocol (XMPP): Core (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-xmpp-core-20.txt to Proposed Standard  
-----

Evaluation for draft-ietf-xmpp-core-20.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9749&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9749&rfc_flag=0)

Last Call to expire on: 2003-10-09

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce;;  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>, <xmppwg@jabber.org>  
Subject: Protocol Action: 'Extensible Messaging and Presence Protocol  
(XMPP): Core' to Proposed Standard

The IESG has approved the following document:

- 'Extensible Messaging and Presence Protocol (XMPP): Core '

<draft-ietf-xmpp-core-20.txt> as a Proposed Standard

This document is the product of the Extensible Messaging and Presence Protocol Working Group.

The IESG contact persons are Ted Hardie and Ned Freed.

Technical summary:

The Extensible Messaging and Presence Protocol (XMPP) is a general purpose protocol not necessarily limited to instant messaging and presence. XMPP is revision of the communication portion of the widely deployed "Jabber" protocol. XMPP is a TCP-based protocol which uses Extensible Markup Language

(XML) as the syntax for its protocol elements. XMPP can be used as a client-to-server protocol as well as a server-to-server protocol. The base o

the protocol exchange is the XML "stream", effectively a stream of XML data

sent from one party to the other which starts with an XML "<stream>" tag an

ending with an XML "</stream>" tag. Streams are unidirectional, so communication between two parties requires two separate streams (though they

can run over the same full-duplex connection). Within the stream, requests

and responses are exchanged between the two parties in XML "stanzas", a portion of the stream that has semantic content. The document describes the

routing of stanzas from machine to machine through streams. XMPP includes

guidelines to ensure that extensions are possible without conflicts or breaking core interoperability. Lack of conflicts is ensured with use of XML

namespaces. Interoperability is ensured with careful layering of stanzas of

known types, on top of the base stream.

The document specifies primitives for instant messaging and presence.

Being

TCP-based, it should not have any independent congestion control issues.

It

specifies a reasonable error reporting facility, specific enough to give recipients reasonable indication of what action to take in response to an

error, but not so specific to make management of error codes and the like a

problem. The protocol uses UTF-8 for all user visible strings including error

messages, and defines appropriate profiles of stringprep for

internationalized identifiers. SASL is used for authentication and TLS is

used for encryption (though SASL security layer may be used if TLS is not).

The document also has plenty of examples for XML usage, security negotiation

and error reporting.

The document registers stringprep profiles and XML namespaces it uses and

provides XML schemas for the core parts of the protocol.

Working Group summary:

The working group has done extensive review of this document and there has

been good consensus. There has been a great deal of participation by many

interested folks. Several members of the working group have already reported

implementations of the XMPP core and have interoperable implementations running in different environments. XMPP is based on the widely implemented

Jabber protocol, giving additional interoperability and deployment experience. Security experts have participated in the discussion and have

reviewed and commented on the document during its development. There were

extensive Last Call comments, and these

have been resolved to the satisfaction of those raising issues.

## Protocol Quality

Pete Resnick and Lisa Dusseault reviewed this document for the IESG

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 14

- o draft-ietf-xmpp-im-19.txt

Extensible Messaging and Presence Protocol (XMPP): Instant Messaging  
and

Presence (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-xmpp-im-19.txt to Proposed Standard

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Evaluation for draft-ietf-xmpp-im-19.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9748&rfc_flag=0)

[command=view\\_id&dTag=9748&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9748&rfc_flag=0)

Last Call to expire on: 2003-10-08

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

Alex Zinin                [   ]        [   ]        [   ]        [   ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <xmppwg@jabber.org>

Subject: Protocol Action: 'XMPP Instant Messaging' to Proposed  
Standard

The IESG has approved following document:

- 'XMPP Instant Messaging '  
    <draft-ietf-xmpp-im-17.txt> as a Proposed Standard

This document is the product of the Extensible Messaging and Presence  
Protocol Working Group.

The IESG contact persons are Ted Hardie and Ned Freed.

Technical summary:

This document defines an instant messaging and presence protocol based  
on  
XMPP defined in draft-ietf-xmpp-core. It defines which XMPP stanzas are  
used

to communicate instant messages, the data of which is in UTF-8 for  
internationalization purposes. It also defines which XMPP stanzas are  
used t  
communicate presence information. There is extensive text in this  
document  
concerning the management of presence subscriptions, contact lists  
(called  
"rosters"), and privacy lists to meet the requirements of RFC 2779.

This document defines XML schemas for instant messaging and presence  
used in

conjunction with XMPP. It also gives numerous examples. The document does not

address end-to-end security of data nor does it discuss compliance with the

CPIM documents. There are two companion documents to this one which describe

these topics.

Working Group summary:

The working group has done extensive review of this document and there has been good consensus. There has been a great deal of participation by many interested folks. Several members of the working group have already reported

implementations of the XMPP instant messaging and presence and have interoperable implementations running in different environments. Since this work is based on the widely implemented Jabber protocol, this has provided additional interoperability and deployment experience. Members of the working group have examined the document and confirmed RFC 2779 conformance. Security experts have participated in the discussion and have reviewed and commented on the document during its development. There were Last Call comments, and these have been resolved to the satisfaction of

those raising issues.

Protocol Quality

Pete Resnick and Lisa Dusseault reviewed this document for the IESG

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 14

- o draft-ietf-dhc-dhcpv6-opt-nisconfig-05.txt

NIS Configuration Options for DHCPv6 (Proposed Standard)

Note: This document was removed from the (extremely busy) 20-Nov agenda,

when we found that it didn't properly address Thomas' AD review comments..

So, even if this ends-up in the "returning" section, this is really its

first time through the full IESG.

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dhc-dhcpv6-opt-nisconfig-05.txt to Proposed

Standard

-----

Evaluation for draft-ietf-dhc-dhcpv6-opt-nisconfig-05.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=8564&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8564&rfc_flag=0)

Last Call to expire on: 2003-11-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

Alex Zinin                    [   ]        [   ]        [   ]        [   ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ned Freed:

Comment:

Informational reference [3] is currently:

Sun Microsystems, "System and Network Administration", March 1990.

Surely there's a newer, better reference for NIS? How about the O'Reilly book "Managing NFS and NIS, 2nd Edition"?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <dhwg@ietf.org>

Subject: Protocol Action: 'NIS Configuration Options for DHCPv6'  
to Proposed Standard

The IESG has approved following document:

- 'NIS Configuration Options for DHCPv6 '  
    <draft-ietf-dhc-dhcpv6-opt-nisconfig-02.txt> as a Proposed Standard

This document is the product of the Dynamic Host Configuration Working Group.

The IESG contact persons are Thomas Narten and Margaret Wasserman.

Technical Summary

This document describes four options for NIS-related configuration information in DHCPv6: NIS Servers [3], NIS+ Servers [3], NIS Client Domain Name [3], NIS+ Client Domain name [3].

Working Group Summary

This document was produced by the DHC WG and has been through WG last call and IETF last call. In the last call process, it was verified that an IPv6 implementation of NIS is available.

## Protocol Quality

This document has been reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 14

- o draft-ietf-ipsec-udp-encaps-07.txt  
UDP Encapsulation of IPsec Packets (Proposed Standard)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ipsec-udp-encaps-07.txt to Proposed Standard

-----

Evaluation for draft-ietf-ipsec-udp-encaps-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7148&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7148&rfc_flag=0)

Last Call to expire on: 2003-12-03

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]

Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ned Freed:

Comment:

Nits:

No copyright boilerplate

No IPR boilerplate

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <ipsec@lists.tislabs.com>

Subject: Protocol Action: 'UDP Encapsulation of IPsec Packets' to  
Proposed Standard

The IESG has approved following document:

- 'UDP Encapsulation of IPsec Packets '  
<draft-ietf-ipsec-udp-encaps-06.txt> as a Proposed Standard

This document is the product of the IP Security Protocol Working Group.

The IESG contact persons are Russ Housley and Steve Bellovin.

#### Technical Summary

This protocol specification defines methods to encapsulate and decapsulate IPsec Encapsulating Security Payload (ESP) packets inside UDP packets for the purpose of traversing Network Address Translators. ESP encapsulation can be used in both IPv4 and IPv6. ESP encapsulation is used whenever negotiated by the Internet Key Exchange (IKE) protocol.

## Working Group Summary

The IPsec Working Group came to consensus on this document.

## Protocol Quality

This document was reviewed by Russell Housley for the IESG.

## RFC Editor Note

In section 10, please update the email address for the third author.

OLD:

mstenber@ssh.com

NEW:

markus.stenberg@iki.fi

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 8 of 14

- o draft-ietf-ospf-scalability-06.txt

Prioritized Treatment of Specific OSPF Packets and Congestion

Avoidance

(BCP)

Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ospf-scalability-06.txt to BCP

-----

Evaluation for draft-ietf-ospf-scalability-06.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6755&rfc_flag=0)

[command=view\\_id&dTag=6755&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6755&rfc_flag=0)

Last Call to expire on: 2003-10-22

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ X ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ned Freed:

Comment:

Not sure if the separate sequence number business mentioned in the security considerations section is really a "security issue" with a "recommended" solution. To me it sounds more like a processing requirement for correct operation. But this is not my area of expertise so I'll leave it up to the security folks.

Nits:

A fair number of grammar errors appear throughout.

(date) in copyright boilerplate needs to be filled in.

I don't think the copyright on the doc qualifies as an IP consideration, so it seems strange to see it as a list item in the IP considerations section.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>, <ospf@peach.ease.lsoft.com>  
Subject: Protocol Action: 'Prioritized Treatment of Specific OSPF  
Packets and Congestion Avoidance' to BCP

The IESG has approved following document:

- 'Prioritized Treatment of Specific OSPF Packets and Congestion  
Avoidance '  
    <draft-ietf-ospf-scalability-06.txt> as a BCP

This document is the product of the Open Shortest Path First IGP Working Group.

The IESG contact persons are Bill Fenner and Alex Zinin.

#### Technical Summary

This document recommends methods that are intended to improve the scalability and stability of large networks using OSPF (Open Shortest Path First) protocol. The methods include processing OSPF Hellos and LSA (Link State Advertisement) Acknowledgments at a higher priority compared to other OSPF packets, and other congestion avoidance procedures.

#### Working Group Summary

The document has been extensively reviewed by the WG and modified to accomodate provided comments. There was a WG consensus on this document.

#### Protocol Quality

The specification has been reviewed for the IESG by Bill Fenner and Alex Zinin.

## 2. Protocol Actions

### 2.1 WG Submissions

2.1.1 New Item - 9 of 14

o draft-ietf-mmusic-sdp-bwparam-05.txt

A Transport Independent Bandwidth Modifier for the Session

Description

Protocol (SDP) (Proposed Standard)

Token: Jon Peterson

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mmusic-sdp-bwparam-05.txt to Proposed Standard

-----

Evaluation for draft-ietf-mmusic-sdp-bwparam-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9876&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9876&rfc_flag=0)

Last Call to expire on: 2003-12-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ X ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce;;  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>, <mmusic@ietf.org>  
Subject: Protocol Action: 'A Transport Independent Bandwidth Modifier  
for the Session Description Protocol (SDP)' to Proposed  
Standard

The IESG has approved following document:

- 'A Transport Independent Bandwidth Modifier for the Session  
Description  
Protocol (SDP) '  
<draft-ietf-mmusic-sdp-bwparam-05.txt> as a Proposed Standard

This document is the product of the Multiparty Multimedia Session  
Control  
Working Group.

The IESG contact persons are Jon Peterson and Allison Mankin.

#### Technical Summary

Although the Session Description Protocol (SDP) already has a  
"bandwidth"  
parameter(the b= line) to characterize the amount of bandwidth a  
particular  
session will require, it is difficult for the receiver of an SDP message  
to  
know what values the creator of SDP used to factor the overhead into the  
total session bandwidth value. This becomes especially problematic in  
the  
presence of middleboxes that convert between IPv4 and IPv6. The use of  
session header compression (such as cRTP) on a per-hop basis at the  
sender  
side can also confuse recipients of SDP, since the assessment of total  
bandwidth on the sender side will assume header compression that  
probably  
isn't available at the receiver side. Similar problems exist for  
calculating  
RTCP bandwidth.

Accordingly, this document defines a Transport Independent Application  
Specific Maximum (TIAS) bandwidth modifier that can appear in the b=  
line o  
SDP, and a new attribute, "maxrate", that is correlated with SDP media

(m=)

lines. Together, these two parameters enable recipients of SDP to make a muc more exact and universal assessment of the bandwidth that a session will require.

## Working Group Summary

This MMUSIC Working Group supported the advancement of this specification.

## Protocol Quality

This document has been reviewed for the IESG by Jon Peterson.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 10 of 14

- o draft-ietf-sip-referredby-03.txt

The SIP Referred-By Mechanism (Proposed Standard)

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sip-referredby-03.txt to Proposed Standard

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Evaluation for draft-ietf-sip-referredby-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8833&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8833&rfc_flag=0)

Last Call to expire on: 2003-11-28

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]

Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ned Freed:

Comment:

No IPR boilerplate

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>, <sip@ietf.org>

Subject: Protocol Action: 'The SIP Referred-By Mechanism' to Proposed  
Standard

The IESG has approved following document:

- 'The SIP Referred-By Mechanism '  
<draft-ietf-sip-referredby-03.txt> as a Proposed Standard

This document is the product of the Session Initiation Protocol Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

The SIP REFER method provides a mechanism where one party (the

referrer) gives a second party (the referee) an arbitrary URI to reference. If that URI is a SIP URI, the referee will send a SIP request, often an INVITE, to that URI (the refer target). This document extends the REFER method allowing the referrer to provide information about the REFER request to the refer target using the referee as an intermediary. This information includes the identity of the referrer and the URI to which the referrer referred. The mechanism utilizes S/MIME to help protect this information from a malicious intermediary. This protection is optional, but a recipient may refuse to accept a request unless it is present.

The REFER method is specified in RFC 3515, which describes a general set of security considerations in addition to those particular to Referred-By.

## Working Group Summary

The Working Group strongly supported the advancement of Referred-By, once it was split out of the REFER document into the present design.

## Protocol Quality

There was a large amount of working group review of Referred-by, which resulted in its being split out of the original REFER method document and the development of this mechanism and the Authentication ID Body (under review at the same time) on which it depends. There were no dissenting comments during WG Last Call or IETF Last Call. The document was reviewed for the IESG by Allison Mankin.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 11 of 14

- o draft-ietf-tsvwg-prsctp-02.txt  
SCTP Partial Reliability Extension (Proposed Standard)  
Token: Jon Peterson

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-tsvwg-prsctp-02.txt to Proposed Standard  
-----

Evaluation for draft-ietf-tsvwg-prsctp-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10453&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10453&rfc_flag=0)

Last Call to expire on: 2003-12-02

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ X ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <tsvwg@ietf.org>

Subject: Protocol Action: 'SCTP Partial Reliability Extension' to  
Proposed Standard

The IESG has approved following document:

- 'SCTP Partial Reliability Extension '  
    <draft-ietf-tsvwg-prsctp-01.txt> as a Proposed Standard

This document is the product of the Transport Area Working Group Working Group.

The IESG contact persons are Jon Peterson and Allison Mankin.

## Technical Summary

PR-SCTP provides an enhancement to the Stream Control Transmission Protocol (SCTP) that allows an SCTP endpoint to signal to its peer that it should move the cumulative ack point forward. This allows SCTP to provides its users (upper layer protocols) with a partially reliable transport service. By informing a peer that it should no longer expect to receive one or more DATA chunks, SCTP endpoints can enforce their own rules governing retransmission of data. One potential application of this, which is described in the document, is a "timed reliability" service that specifies a maximum duration of time for which retransmission should be attempted.

## Working Group Summary

The TSVWG working group supported the advancement of this document, and substantial review was performed by participants in the WG.

## Protocol Quality

This document was reviewed for the IESG by Jon Peterson.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 12 of 14

- o draft-ietf-pkix-proxy-09.txt  
    Internet X.509 Public Key Infrastructure Proxy Certificate Profile

(Proposed Standard)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-pkix-proxy-09.txt to Proposed Standard

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Evaluation for draft-ietf-pkix-proxy-09.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7278&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7278&rfc_flag=0)

Last Call to expire on: 2003-12-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ned Freed:

Comment:

Nits:

Section 3.8.2 item 1)

"The relying MUST party know how to" ->

"The relying party MUST know how to"

Section 3.8.2 item 3) a.

Non-ASCII character appears where an apostrophe should be.

Section 4.1.5 title

"Proceedures" -> "Procedures"

Appendix B should be marked as needing to be removed prior to publication.

Questions:

This document defines two policy language OIDs (basically "all" and "none")

Presumably more policy language OIDs will be defined. Does it make sense to

have a registry for these things, or are these going to be so fine-grained

attempting to register even some of them would be pointless?

Is OCTET STRING necessarily the right data type for policy values? What if

the

policy language specifies policies using ASN.1? (I realize you can put arbitrary stuff inside an OCTET STRING, however, in X.400 P2 ASN.1

objects

are

stuffed inside of a P1 OCTET STRING field, and handling them in a single

pass was a nightmare.)

Some applications of these sorts of certificates seem to me to involve on-the-fly generation of new certificates. Additionally, each of these

certificates is supposed to contain its own public/private key pair (2.6 item 3), and generating such key pairs can be expensive. Should

the

potential for service denial attacks on automatic proxy certificate generators be mentioned in the security considerations section?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <ietf-pkix@imc.org>  
Subject: Protocol Action: 'Internet X.509 Public Key Infrastructure  
Proxy Certificate Profile' to Proposed Standard

The IESG has approved following document:

- 'Internet X.509 Public Key Infrastructure Proxy Certificate Profile '  
<draft-ietf-pkix-proxy-08.txt> as a Proposed Standard

This document is the product of the Public-Key Infrastructure (X.509)  
Workin

Group.

The IESG contact persons are Russ Housley and Steve Bellovin.

#### Technical Summary

This document specifies the certificate profile for Proxy  
Certificates, based on X.509v3 certificate profile in RFC 3280. The  
term Proxy Certificate is used to describe a certificate that is  
derived from, and signed by, a normal X.509v3 End Entity Public Key  
Certificate or by another Proxy Certificate.

#### Working Group Summary

The PKIX Working Group came to consensus on this document.

#### Protocol Quality

This document was reviewed by Russell Housley for the IESG.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 13 of 14

- o draft-ietf-rohc-ip-only-05.txt  
RObust Header Compression (ROHC): A Compression Profile for IP  
(Proposed  
Standard)

Note: Significant amounts of WG review occurred, led by co-chair, since other co-chair is an author...Applicability could be more clearly stated, but the context is IP tunnels in particular.  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-rohc-ip-only-05.txt to Proposed Standard  
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Evaluation for draft-ietf-rohc-ip-only-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9626&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9626&rft_flag=0)

Last Call to expire on: 2003-11-28

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>, <rohc@ietf.org>  
Subject: Protocol Action: 'RObust Header Compression (ROHC): A  
Compression Profile for IP' to Proposed Standard

The IESG has approved following document:

- 'RObust Header Compression (ROHC): A Compression Profile for IP '  
<draft-ietf-rohc-ip-only-05.txt> as a Proposed Standard

This document is the product of the Robust Header Compression Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

This document defines one additional compression profile for the RObust Header Compression (ROHC) framework, as defined by RFC 3095. In RFC 3095, profiles are specified for compression of IP/UDP, IP/UDP/RTP, IP/ESP, as well as for uncompressed ROHC transmission. However, a compression profile for IP only was omitted in RFC 3095, and this document contributes with that missing piece. The profile is defined to require minimal modifications to existing ROHC code base, although it does provide some minor but useful enhancements and corrections, compared to the RFC 3095 profiles.

#### Working Group Summary

There was strong consensus in the working group to get this profile published, as it was seen to become an important complement to RFC 3095.

#### Protocol Quality

Allison Mankin reviewed the document for the IESG. In the working group, the document was carefully reviewed by several implementers of RFC 3095, and the working group and IETF Last Calls did not raise any issues.

#### RFC Editor Note

## Re-name the References - Normative References

### 2. Protocol Actions

#### 2.1 WG Submissions

##### 2.1.1 New Item - 14 of 14

###### o draft-ietf-sip-callee-caps-02.txt

Indicating User Agent Capabilities in the Session Initiation Protocol

(SIP) (Proposed Standard)

Note: Mid-course Applications area review, as with caller prefs, resulted

in use of 2506/2533 media features approach. . Security review of . companion draft caller prefs (approved with a Security note on 4

Dec) has been factored in to Security Considerations of this i-d.

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sip-callee-caps-02.txt to Proposed Standard

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Evaluation for draft-ietf-sip-callee-caps-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=10628&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10628&rfc_flag=0)

Last Call to expire on: 2003-11-28

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]

Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ned Freed:

Comment:

There seems to be some confusion in section 10.1 as to which tags are in the sip tree and which are not. In particular, section 10.1 states that all the tags in this section are in the sip tree. But the tags in sections

10.1.1 through 10.1.6 do not appear to be in the sip tree. I was thinking

the idea was that the sip. prefix was to be assumed, but then along came sections 10.1.7 through 10.1.18 where the sip. prefix does explicitly appear

Is it that the first six of these aren't in the sip tree and the remainder

are, or was the sip. prefix on the first six omitted in error? I kind of hop

it is the former, since I think the first six of these could have utility

outside of SIP, but I won't object it is the latter.

I also note that the 10.1 level seems to serve little purpose since all of

the subsections of 10 are in it. Of course this would change if 10.1 was for

the registrations outside the sip. tree and 10.2 was for those in the sip. tree.

Section 12.2 reiterates that all the registrations go in the SIP tree, BTW.

Nits:

Really bad orphan on pages 14, 18 and 42. I'm sure the RFC Editor will fix

this.

T

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <sip@ietf.org>

Subject: Protocol Action: 'Indicating User Agent Capabilities in the  
Session Initiation Protocol (SIP)' to Proposed Standard

The IESG has approved following document:

- 'Indicating User Agent Capabilities in the Session Initiation Protocol  
(SIP) '

<draft-ietf-sip-callee-caps-02.txt> as a Proposed Standard

This document is the product of the Session Initiation Protocol Working  
Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

This specification defines mechanisms by which a Session Initiation  
Protocol (SIP) user agent can convey its capabilities and  
characteristics to other user agents and to the registrar for its  
domain. This information is conveyed as parameters of the Contact  
header field. It may be used by a proxy for call routing. The  
parameter

design is based on RFC 2506, media feature tags. The specification  
creates a SIP tree registry parallel to the IETF tree registry from  
RFC 2506. The syntax of the parameters is based on RFC 2533.

Strong considerations regarding the privacy and data  
integrity of the information are discussed by the document.

## Working Group Summary

The working group took a lot of care and review developing this design.

There was a mid-course design review from an Applications area standpoint that resulted in the advice to work with the RFC 2533, 2506 approach, which has proved to be very constructive. The WG supported the advancement strongly, after thorough review.

## Protocol Quality

The document was reviewed for the IESG by Allison Mankin. The Applications mid-course reviews were by Patrik Faltstrom and Ted Hardie.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 1 of 1

- o draft-ietf-eap-rfc2284bis-07.txt  
Extensible Authentication Protocol (EAP) (Proposed Standard)  
Note: Deferred from 2003-12-4 telechat.  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-eap-rfc2284bis-07.txt to Proposed Standard

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Evaluation for draft-ietf-eap-rfc2284bis-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9905&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9905&rfc_flag=0)

Last Call to expire on: 2003-11-26

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <eap@frascone.com>

Subject: Protocol Action: 'Extensible Authentication Protocol  
(EAP)' to Proposed Standard

The IESG has approved following document:

- 'Extensible Authentication Protocol (EAP) '  
<draft-ietf-eap-rfc2284bis-06.txt> as a Proposed Standard

This document is the product of the Extensible Authentication Protocol Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

#### Technical Summary

This document defines the Extensible Authentication Protocol (EAP), an authentication framework which supports multiple authentication methods. EAP typically runs directly over data link layers such as PPP or IEEE 802, without requiring IP. EAP provides its own support

for duplicate elimination and retransmission, but is reliant on lower layer ordering guarantees. Fragmentation is not supported within EAP itself; however, individual EAP methods may support this.

## Working Group Summary

This document is a product of the EAP WG. It has been extensively reviewed by the WG and updated to reflect comments from several WG last calls. The -07 version also includes updates to address issues raised in IETF last call.

## Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman

## 2. Protocol Actions

### 2.2 Individual Submissions

#### 2.2.1 New Item - 1 of 5

- o draft-ietf-ldapext-matchedval-07.txt  
Returning Matched Values with LDAPv3 (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ldapext-matchedval-07.txt to Proposed Standard

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Evaluation for draft-ietf-ldapext-matchedval-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=4555&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=4555&rfc_flag=0)

Last Call to expire on: 2002-08-29

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ X ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ned Freed:

Discuss:

The note at the end of section 2 says:

Note. If the AttributeDescriptionList is empty or comprises "\*" then the control MUST be applied against every user attribute. If the AttributeDescriptionList contains a "+" then the control MUST be applied against every operational attribute.

But "AttributeDescriptionList" appears nowhere else in the document, nor is it part of any of any of the components of SimpleFilterItem. I assume this is referring to the attributes field of the search request this control is attached to, but this really needs to be made more explicit.

More generally, an interesting side effect of this control is that it doesn't seem to be possible to say "return only the values of these attributes that match these criteria but return all values of all other attributes". Is this going to be a problem? And even if it isn't a problem, some text describing this limitation would seem to be in order.

Nits:

The first example uses the domains hotmail.com and sun.com. These should be changed to our customary example domains.

Section 7. "Registrigration" -> "Registration".

Copyright boilerplate has (date) rather than an actual date.

Section 12 should be marked as needing to be removed prior to publication.

Further discussion:

We now have a number of LDAP controls that apply to searching (2891 - server

side result sorting, 2696 - paged results, 2649 - signed results). I believe

I can argue that the utility of being able to specify any of these in an LDAP

URL is questionable, and that wanting paged results, sorted results, or

signed results is a function of the underlying application and not of the

URL the application is processing. But I cannot make the same argument stick

for this document -- it seems quite reasonable to want to be able to construct an LDAP URL that says "return only the attribute values that match

these criteria". As such, I wonder if it would not be appropriate to define

an LDAP URL extension that allows this control to be specified. (Is this why

ABNF for specifying a string version of this control was worked out so carefully?)

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Returning Matched Values with LDAPv3'  
to Proposed Standard

The IESG has approved following document:

- 'Returning Matched Values with LDAPv3 '  
<draft-ietf-ldapext-matchedval-07.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document describes a control for the Lightweight Directory Access Protocol version 3 that is used to return a subset of attribute values from an entry, specifically, only those values that match a "values return" filter. Without support for this control, a client must retrieve all of an attribute's values and search for specific values locally.

#### Working Group Summary

This document was originally a product of the LDAP extensions working group; when that working group shut down, this work was carried forward by its authors. It has been reviewed by the LDAPEXT mailing list and changes made based on comments received.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie

## 2. Protocol Actions

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 5

- o draft-singer-jp2-02.txt  
MIME Type Registrations for ISO/IEC 15444 (Proposed Standard)  
Note: Reviewed security considerations, nits, textual contexts, status of  
referenced standards - looks ready for Last Call.. Will need section reference rather than "see above" in MIME definition Security Considerations, but this can be fixed in RFC Editor note.  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-singer-jp2-02.txt to Proposed Standard  
-----

Evaluation for draft-singer-jp2-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7297&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7297&rfc_flag=0)

Last Call to expire on: 2003-12-08

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ X ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ned Freed:

Comment:

Additional nits:

No copyright boilerplate

No IPR boilerplate

References not split

Reference to RFC-TIFF does not include an RFC number

A bit heretical perhaps, but I'd like to see a URL for the JFIF  
reference

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'MIME Type Registrations for ISO/IEC 15444'  
to Proposed Standard

The IESG has approved following document:

- 'MIME Type Registrations for ISO/IEC 15444 '  
<draft-singer-jp2-02.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Allison Mankin.

#### Technical Summary

This document serves to register and document the standard MIME types associated with the ISO/IEC 15444 standards, commonly known as JPEG 2000 (Joint Photographic Experts Group).

#### Working Group Summary

The JPEG 2000 MIME type spec is an individual submission, but there is AVT

WG interest in both the MIME type and the RTP payload, and the AVT WG reviewed the specification and supported advancement.

#### Protocol Quality

In an earlier timeframe there was a submission of the specification without sufficient information. This version has the needed quality related to the AVT WG interests mentioned above. It was reviewed for the IESG by Allison Mankin.

2. Protocol Actions  
2.2 Individual Submissions  
2.2.1 New Item - 3 of 5

- o draft-freed-mime-p4-04.txt  
Multipurpose Internet Mail Extensions (MIME) Part Four: Registration  
Procedures (BCP)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-freed-mime-p4-04.txt to BCP

-----

Evaluation for draft-freed-mime-p4-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10042&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10042&rfc_flag=0)

Last Call to expire on: 2003-10-27

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ ]	[ R ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Multipurpose Internet Mail Extensions  
(MIME) Part Four: Registration Procedures' to BCP

The IESG has approved following document:

- 'Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures '  
<draft-freed-mime-p4-03.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IET Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document defines registration procedures which use the Internet Assigned Numbers Authority (IANA) as a central registry for values related to MIME. Of particular interest is the registration procedure for media types described in Section 3.3.

Note that registration of charsets for use in MIME is specified in [RFC2798] and is no longer addressed by this document

#### Working Group Summary

There was no working group reviewing this document, but the community's experience with MIME is now extensive, and this revision has been broadly reviewed.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

2. Protocol Actions  
2.2 Individual Submissions  
2.2.1 New Item - 4 of 5

- o draft-savola-bcp38-multihoming-update-02.txt  
Ingress Filtering for Multihomed Networks (BCP)  
Token: Bert Wijnen

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-savola-bcp38-multihoming-update-02.txt to BCP  
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Evaluation for draft-savola-bcp38-multihoming-update-02.txt can be found  
at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10334&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10334&rfc_flag=0)

Last Call to expire on: 2003-08-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Ingress Filtering for Multihomed Networks'  
to BCP

The IESG has approved the following document:

- 'Ingress Filtering for Multihomed Networks '  
<draft-savola-bcp38-multihoming-update-02.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Bert Wijnen.

#### Technical Summary

RFC 2827 recommends that ISPs police their customers' traffic by dropping traffic entering their networks that is coming from a source address not legitimately in use by the customer network. The filtering includes but is in no way limited to the traffic whose source address is a so-called "Martian Address" - an address that is reserved (RFC 3330), including any address within 0.0.0.0/8, 10.0.0.0/8, 127.0.0.0/8, 172.16.0.0/12, 192.168.0.0/16, 224.0.0.0/4, or 240.0.0.0/4.

This document discusses known technical issues and problems when implementing RFC 2827 using

- o Ingress Access Lists,
- o Strict Reverse Path Forwarding,,
- o Loose Reverse Path Forwarding, and
- o Loose Reverse Path Forwarding ignoring default routes

and discusses trade-offs and work-arounds available to the prudent operator.

#### Working Group Summary

As this document is not the product of a working group, there was no working group last call. But it was reviewed in various WGs, namely multi6 and v6ops. There was also a 4 week IETF Last Call.

## Protocol Quality

This document was reviewed for the IESG by Randy Bush, Bert Wijnen and the Operations Directorate.

## 2. Protocol Actions

### 2.2 Individual Submissions

#### 2.2.1 New Item - 5 of 5

- o draft-newman-esmtpsa-01.txt  
ESMTP and LMTP Transmission Types Registration (Proposed Standard)  
Token: Ned Freed

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-newman-esmtpsa-01.txt to Proposed Standard

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Evaluation for draft-newman-esmtpsa-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10697&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10697&rfc_flag=0)

Last Call to expire on: 2003-12-04

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ X ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

Alex Zinin            [   ]        [   ]        [   ]        [   ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'ESMTP and LMTP Transmission Types  
Registration' to Proposed Standard

The IESG has approved following document:

- 'ESMTP and LMTP Transmission Types Registration '  
<draft-newman-esmtpsa-01.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ned Freed.

#### Technical Summary

This registers seven new mail transmission types (ESMTPA, ESMTPS, ESMTPSA, LMTP, LMTPA, LMTPS, LMTPSA) for use in the "with" clause of a Received header in an Internet message.

#### Working Group Summary

This document was reviewed on the ietf-smtp@imc.org mailing list but is not a product of an IETF working group.

#### Protocol Quality

Ned Freed reviewed the document for the IESG.

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item - 1 of 2

o draft-ietf-ipv6-node-requirements-07.txt

IPv6 Node Requirements (Informational)

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ipv6-node-requirements-07.txt to  
Informational

RFC

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Evaluation for draft-ietf-ipv6-node-requirements-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8926&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8926&rfc_flag=0)

Last Call to expire on: 0000-00-00

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ned Freed:

Comment:

Nit: No copyright boilerplate

Comment: Checking all the references is sure going to be fun...

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <ipv6@ietf.org>

Subject: Document Action: 'IPv6 Node Requirements' to Informational RFC

The IESG has approved the following document:

- 'IPv6 Node Requirements '  
    <draft-ietf-ipv6-node-requirements-07.txt> as an Informational RFC

This document is the product of the IP Version 6 Working Group Working Group

The IESG contact persons are Margaret Wasserman and Thomas Narten.

Technical Summary

(What does this protocol do and why does the community need it?)

Working Group Summary

(Was there any significant dissent? Was the choice obvious?)

Protocol Quality

(Who has reviewed the spec for the IESG? Are there implementations?)

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item - 2 of 2

###### o Eight-document ballot:

- draft-ietf-v6ops-ipv4survey-intro-05.txt

Introduction to the Survey of IPv4 Addresses in Currently Deployed

IETF

Standards (Informational)

- draft-ietf-v6ops-ipv4survey-apps-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Application

Area

Standards (Informational)

- draft-ietf-v6ops-ipv4survey-ops-04.txt

Survey of IPv4 Addresses in Currently Deployed IETF Operations & Management Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-int-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Internet Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-routing-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Routing Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-sec-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Security Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-subip-04.txt

Survey of IPv4 Addresses in Currently Deployed IETF Sub-IP Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-trans-05.txt

Survey of IPv4 Addresses in Currently Deployed IETF Transport Area Standards (Informational)

Token: Bert Wijnen

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-v6ops-ipv4survey-intro-05.txt to Informational

RFC, draft-ietf-v6ops-ipv4survey-apps-03.txt to Informational

RFC,

draft-ietf-v6ops-ipv4survey-ops-04.txt to Informational RFC,

draft-ietf-v6ops-ipv4survey-int-03.txt to Informational RFC,  
 draft-ietf-v6ops-ipv4survey-routing-03.txt to Informational  
 RFC,  
 draft-ietf-v6ops-ipv4survey-sec-03.txt to Informational RFC,  
 draft-ietf-v6ops-ipv4survey-subip-04.txt to Informational RFC,  
 draft-ietf-v6ops-ipv4survey-trans-05.txt to Informational RFC

-----

Evaluation for draft-ietf-v6ops-ipv4survey-intro-05.txt,  
 draft-ietf-v6ops-ipv4survey-apps-03.txt,  
 draft-ietf-v6ops-ipv4survey-ops-04.txt,  
 draft-ietf-v6ops-ipv4survey-int-03.txt,  
 draft-ietf-v6ops-ipv4survey-routing-03.txt,  
 draft-ietf-v6ops-ipv4survey-sec-03.txt,  
 draft-ietf-v6ops-ipv4survey-subip-04.txt,  
 draft-ietf-v6ops-ipv4survey-trans-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
 command=view\\_id&dTag=9943&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9943&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ X ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

Comment:

I have only scanned the apps document. There are some inconsistencies -  
 for

instance, TIP (RFC 2371) has v4 dependencies, but is not mentioned in section 7, which seems intended to list all the dependencies and what should be done about them, and the title of section 7.2.3 is missing one letter. Grammar-wise, I think the sentence "This specification only requires a text update, to become IPv6 compliant", which occurs many times in section 7, has a comma too much. But I think these are minor things. I think the document should go out.

Ned Freed:

Discuss:

Minor omission: RFC 2192, IMAP URLs, is dependent on RFC 1738 URL definitions. This should be noted as was done for RFC 2193 and 2384.

Same applies to RFC 2255, LDAP URLs.

Section 5.127 states that RFC 2821 has no IPv4 dependences. In a word, nonsense.

For one thing, RFC 2821 talks at length about using A records; AAAA records are never mentioned. And for another, RFC 2821 is where MX record handling is specified.

The specific details of how to handle MX records that point at hosts which have a mixture of A and AAAA records need to be worked out and specified. For example, suppose you have an MX that points at two hosts A and B with equal preference values. A only has an A record and B only has an AAAA record. Unless the rules are carefully specified this could lead to failures for an IPv4-only or an IPv6-only host.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <v6ops@ops.ietf.org>

Subject: Document Action: 'Introduction to the Survey of IPv4  
Addresses in Currently Deployed IETF Standards' to  
Informational RF

The IESG has approved the following documents:

- 'Survey of IPv4 Addresses in Currently Deployed IETF Routing Area  
Standard  
'  
    <draft-ietf-v6ops-ipv4survey-routing-03.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Security Area  
Standards '  
    <draft-ietf-v6ops-ipv4survey-sec-03.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Sub-IP Area  
Standards  
'  
    <draft-ietf-v6ops-ipv4survey-subip-04.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Transport Area  
Standards '  
    <draft-ietf-v6ops-ipv4survey-trans-05.txt> as an Informational RFC
- 'Introduction to the Survey of IPv4 Addresses in Currently Deployed  
IETF  
Standards '  
    <draft-ietf-v6ops-ipv4survey-intro-05.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Application Area  
Standards '  
    <draft-ietf-v6ops-ipv4survey-apps-03.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Operations &  
Management  
Area Standards '  
    <draft-ietf-v6ops-ipv4survey-ops-04.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Internet Area  
Standards '  
    <draft-ietf-v6ops-ipv4survey-int-03.txt> as an Informational RFC

These documents are products of the IPv6 Operations Working Group.

The IESG contact person is Bert Wijnen.

IESG, as you can see, I have reviewed the intro document and the  
OPS area document. Can each area review their own document?  
We can then add the Quality section below and add the names of  
the ADs that did that area specific review.

## Technical Summary

These documents provide an overview and introduction to the v6ops IETF workgroup project of documenting all usage of IPv4 addresses in currently deployed IETF documented standards. Besides the intro document, there are seven documents conforming to the current IETF areas. The intro document also describes the methodology used during documentation, which type of RFCs that has been documented, and a concatenated summary of results.

## Working Group Summary

The WG has consensus to publish these documents as Informational RFCs. The area specific documents were reviewed within the specific areas.

## Protocol Quality

The intro and OPS area documents have been reviewed for the IESG by Bert Wijnen.

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.2 Returning Item - 1 of 2

- o draft-ietf-xmlsig-xc14n-02.txt

Exclusive XML Canonicalization, Version 1.0 (Informational)

Note: The revised draft includes the changes requested by Randy

Bush.· It

is back on the agenda to confirm that there are no further concerns.

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-xmlsig-xc14n-02.txt to Informational RFC

-----

Evaluation for draft-ietf-xmlldsig-xc14n-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9229&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9229&rfc_flag=0)

Last Call to expire on: 0000-00-00

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <w3c-ietf-xmlldsig@w3.org>

Subject: Document Action: 'Exclusive XML Canonicalization, Version  
1.0' to Informational RFC

The IESG has approved following document:

- 'Exclusive XML Canonicalization, Version 1.0 '  
<draft-ietf-xmlldsig-xc14n-01.txt> as an Informational RFC

This document is the product of the XML Digital Signatures Working Group.

The IESG contact persons are Russ Housley and Steve Bellovin.

#### Technical Summary

(What does this protocol do and why does the community need it?)

#### Working Group Summary

(Was there any significant dissent? Was the choice obvious?)

#### Protocol Quality

(Who has reviewed the spec for the IESG? Are there implementations?)

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.2 Returning Item - 2 of 2

- o draft-ietf-send-psreq-04.txt

IPv6 Neighbor Discovery trust models and threats (Informational)

Note: Back on the agenda to address minor comments from Thomas, Ted  
and

Russ.

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-send-psreq-04.txt to Informational RFC

-----

Evaluation for draft-ietf-send-psreq-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9439&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9439&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

<ietf-send@standards.ericsson.net>

Subject: Document Action: 'IPv6 Neighbor Discovery trust models  
and threats' to Informational RFC

The IESG has approved following document:

- 'IPv6 Neighbor Discovery trust models and threats '  
<draft-ietf-send-psreq-03.txt> as an Informational RFC

This document is the product of the Securing Neighbor Discovery Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

##### 3.2.1 New Item - 1 of 1

o draft-sbml-media-type-02.txt

MIME Media Type for SBML, the Systems Biology Markup Language  
(Informational)

Note: Nit: RFC 3023 should be a normative, not informative,  
reference

Token: Ned Freed

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-sbml-media-type-02.txt to Informational RFC

-----

Evaluation for draft-sbml-media-type-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10902&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10902&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ X ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'MIME Media Type for SBML, the Systems  
Biology Markup Language' to Informational RFC

The IESG has approved following document:

- 'MIME Media Type for SBML, the Systems Biology Markup Language '  
<draft-sbml-media-type-02.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ned Freed.

#### Technical Summary

This document registers the MIME sub-type application/sbml+xml, a media type for SBML, the Systems Biology Markup Language. SBML is defined by The SBML Team at the California Institute of Technology and interested members of the systems biology community.

#### Working Group Summary

This document was reviewed in the IETF on the ietf-types mailing list but is not the product of an IETF working group.

#### Protocol Quality

Ned Freed reviewed the document for the IESG.

#### RFC Editor note

RFC 3023 should be changed from an informative to a normative reference.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

##### 3.2.2 Returning Item - 1 of 1

- o draft-nakajima-camellia-03.txt

A Description of the Camellia Encryption Algorithm (Informational)

Token: Steve Bellovin

### 3. Document Actions

#### 3.3 Individual Submissions Via RFC Editor

##### 3.3.1 New Item - 1 of 1

- o draft-jseng-idn-admin-05.txt

Internationalized Domain Names Registration and Administration  
Guideline

for Chinese, Japanese and Korean (Informational)

Token: Harald Alvestrand

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-jseng-idn-admin-05.txt to Informational RFC

-----

Evaluation for draft-jseng-idn-admin-05.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8774&rfc_flag=0)

[command=view\\_id&dTag=8774&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8774&rfc_flag=0)

Last Call to expire on: 0000-00-00

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ X ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]

Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: RFC Editor <rfc-editor@rfc-editor.org>

Cc: The IESG <iesg@ietf.org>, <iana@iana.org>

Subject: Re: Informational RFC to be: draft-jseng-idn-admin-05.txt

The IESG has no problem with the publication of 'Internationalized Domain

Names Registration and Administration Guideline for Chinese, Japanese and

Korean' <draft-jseng-idn-admin-05.txt> as an Informational RFC.

The IESG contact person is Harald Alvestrand.

Thank you,

The IESG Secretary

Technical Summary

This document describes a set of procedures for dealing with IDN registrations.

The rules are intended to ensure that someone who registers one string in a

language will also get reserved most other strings that "mean the same thing"

due to script variations.

This works reasonably well for the Chinese-Japanese-Korean (CJK) group of

scripts.

The spec includes a "specification table format" for describing the

concept

of "means the same thing" at the character level. It does not include the real tables for the real languages.

#### Working Group Summary

This document was developed in a Joint Engineering Team (JET) between the Chinese, Korean, Japanese and Taiwanese NICs.

#### Protocol Quality

John Klensin has been extensively involved in reviewing the document. Harald Alvestrand has reviewed the document for the IESG. (others can get their names here too...)

#### 3.3.2 Returning Item

NONE

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

NONE

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.2 Proposed for Approval

NONE

## 5. Working Group News We Can Use

Harald Alvestrand  
Steve Bellovin  
Bill Fenner  
Ned Freed  
Ted Hardie  
Russ Housley  
Allison Mankin  
Thomas Narten  
Jon Peterson  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

## 6. IAB News We Can Use

### 7. Management Issues

#### 7.1 Closing GSMP WG or not (Bert Wijnen)

IESG,

I had warned WG chairs at the Vienna meeting. And in co-operation with them I did send an email to the WG list to solicit/enourage more WG participation. I did not really threaten the closure of the WG back then, cause WG chairs thought that would de-motivate people.

At the Minneapolis meeting Alex and I had lunch with WG chairs. They were trying to convince us that soon they will have much more activity. I asked the WG chairs to make a "appeal" to defend keeping the WG, which they did and which I have attached below.

Last week I posted to the WG list that I did not see enough (if any) increase in participation and so that it looks to me that the WG better be closed. WG chairs are not happy, I still feel that that is what we (I) should do. I'd like to hear IESG opinion.

Thanks,  
Bert

-----

-----Original Message-----

From: avri [mailto:avri@psg.com]  
Sent: vrijdag 14 november 2003 16:55  
To: Bert Wijnen; Alex

Cc: Kenneth Sundell

Subject: Appeal of the pending decision to close the GSMP WG

To Bert and Alex

During the lunchtime conversation with you, it was recommended that Kenneth and I compose an appeal to you that requests that the GSMP group be allowed to remain chartered.

In the appeal we will cover:

- Brief review of the reason for the GSMP work item
- Brief history of how and why we got into participation and milestone trouble
- Reason why we believe the future will be different
- List of actions and milestones to be undertaken before IETF59 that give objective evidence of progress
- Revised list of major milestones
- Conclusion - why should the group be allowed to finish its work.

#### 1. Reason for GSMP work item

But first, a recap of why we are doing this work. The simple answer is to support GMPLS. But this doesn't really answer the question of why. Why does GMPLS need the support and what sort of functionality does GSMP enable? GMPLS requires that a routing/signaling control plane be associated with each switching device. In the original concept, this means that a single box will contain both the control plane and data plane entities. GSMP is meant to provide the ability to decouple the control plane from the data plane. For new equipment, the tightly couple method of deploying GMPLS is certainly one reasonable way for vendors to sell their solutions. Leaving aside the issue of whether this is always the most advantageous solution for their customers, there is still good reason to decouple the the control plane entities from the data plane entities. If GMPLS is to be deployed in the near term on equipment which is already deployed in customer networks, it will be necessary to find a way to deliver the control instructions to the data plane in a de-coupled manner. There may be other ways to this, e.g. TL/1 messaging, CLI messaging, SNMP and perhaps, someday XMLconf. GSMP offers a well defined and efficient means of providing this control link for MPLS and, if we finish our task, will provide an effective means of doing this for GMPLS as well. Adding GSMP to a switch is by far, an easier task then adding control plane functionality.

An additional advantage of decoupling is that it makes it possible to

have a single control plane engine control a cluster of switches. There are many circumstance in which this sort of setup could be advantageous for coordinating a set of optical devices.

There is another reason for deploying GMPLS with decoupled control and data planes. While one can use TE to set up for failure scenarios of a single pipes or even more then a single pipe, a catastrophic loss of the optical level cannot easily be handled in a pure GMPLS network. For this it is reasonable to fall back to the resilience of a hop by hop IP network. By deploying a set of routers which are set up to do double duty as GMPLS controllers and as a disaster hop by hop network, one can more easily cover disaster scenarios. GSMP enables such a solution.

The point we are trying to make is that completing GSMP can aid in the deployment and operation of GMPLS networks. And this sometimes overlooked when deciding on the priority for work items.

## 2. Brief History

Following the successful completion of the original charter items, the GSMP WG was re-chartered to work on GMPLS support as well as other items. The group then started working on the requirement items as required by the new charter. A lot of energy went into this effort and the effort eventually resulted in 2 informational RFCs.

In retrospect, the work on these work-items and the wait for approval may have been contributory to dissipating the energy that was in the group. For example, there was active work on producing both a MIB and a PIB for dynamic partitioning before the charter requiring requirements and work items approval was created. At that point the work on the Partitioning MIB/PIB went into a pause state waiting for charter approval. In retrospect it becomes apparent that the energy that was available for creating the MIB/PIB was displaced into the requirements doc. While waiting for approval to do the work, those who were doing it, drifted on to other work.

Similarly with the requirement spec. A lot of work went into creating this document and getting it through the IESG. While waiting for the approval, all other work went into abeyance. It was only once the Optical Requirements RFC was approved that those doing the work on the drafts got themselves back into the task.

This is not to blame the IESG or the process for the WG descent into apathy and lethargy. As working group chairs, we should have found a way to keep the group invigorated during the long wait. Additionally

there was no real need to wait on approval of all the optical requirements, we should have been working the issues while working the requirements through the system. Again, it was miscalculation of the part of the chairs that led into the doldrums.

### 3. Why will the future be different

While it is not apparent from the WG list, the authors of the drafts are now energized and working on the drafts in earnest. It took a while for people's schedules to clear enough for this work to rise in priority. Now that it has the group authors is committed to completing the work.

A couple specific points:

- o Some of the draft authors got together in Minneapolis and worked out the rest of the details necessary to complete the base spec, especially in terms of adding support for optical layering. The base spec that incorporates this information will be out shortly. The TDM spec that uses this functionality is well underway and has been promised for first draft in December. Of course we will continue to prod.

- o We spoke to NTT about their Optical solution and about the need to work with the WG to combine their proposed solution with the work already ongoing in the WG. We have also strongly suggested that this work must be done on the WG list for it to have any chance of success. We were given their assurance that they would comply. Of course we will continue to prod them to this end.

- o We have spoken to two, as of now unnamed, chip vendors who are interested in looking into GSMP. We have asked them to join the GSMP list and to participate with the review of the specs, especially with a view toward making sure that the work that has been done meets some of the requirements inherent in incorporating protocols in hardware.

- o We have two possible candidates for completing the MIB work. This was an essential hole in our plan which we believe we can now fill. There is not much of an update required, but there is some.

In other words, the group is ready to finish the work.

### 4. Short Term milestones

The most immediate action is to submit an update of the base spec, reflecting the multilayer

approach needed for support of TDM switch types. The next version of the base spec is planned for next week (November 20). The second near time goal is to submit the TDM switch extensions as a working group draft in December time frame. The Base and the Packet spec will be submitted for WG last call just before the IETF59.

## 5. Charter Term Milestones

Dec 03: Submit TDM Switch extensions as WG document  
Apr 04: Submit GSMPv3 Base specification to IESG for publication as Proposed Standard  
Apr 04: Submit L2/Packet capable switch extensions to IESG for publication as Proposed Standard  
Apr 04: Submit MIB/PIB/XMLconf for Dynamic partitioning as WG document  
Jul 04: Submit Optical Switch extensions to IESG for publication as Proposed Standard  
Jul 04: Submit TDM Switch extensions to IESG for publication as Proposed Standard  
Jul 04: Submit MIB(s) to cover Optical and TDM extensions to IESG for publication as Proposed Standard  
Nov 04: Submit MIB/PIB/XMLconf for Dynamic partitioning to IESG  
Dec 04: Working Group go Dormant until time for DS submissions.

## 6. Conclusion: Why should the GSMP WG be allowed to continue?

We believe that we are working on an item that has beneficial utility to the Internet. We believe there are companies interested in finishing their implementations and in having interoperable products. And we believe we are back on track for finishing the work in a timely manner. We believe we have solved all of the technical problems posed in the requirements as well as one problem that we had not foreseen: the layering problem. We also believe that we have convinced those who have the differing implementations to work out their differences on the list so that we get a single optical solution.

We, therefore, appeal the pending decision to close the GSMP WG and ask that the new milestones be accepted.

Avri and Ken

given in section 2.3 and dear old Steve's file transfer. It seems in particular to make this section of 2.4 problematic:

One concern that arises is what happens if a machine that has been delegated the right to inherit Steve's privileges has been compromised? For example, in the above scenario, what if the machine running the file transfer service is compromised, such that the attacker can gain access to the credential that Steve delegated to that service? Can the attacker now do everything that Steve is allowed to do?

The answer in the case of the attacker taking over the centrally managed repository, seems to be a resounding "Yes!" I realize that this is not actually quite the "delegated right to inherit" being discussed above, since that scenario seems to have Steve getting the time-limited delegated right to his own privileges, but it is still a bit worrying. The Security considerations doesn't seem to cover this at all.

I don't think this has any great impact on the working of the protocol, but I would personally suggest ripping the advertising supplement text there right out or putting in the salient Security Consideration of "If you delegate users proxy rights from a central managed repository of their own certificates, boy are you in trouble if someone gets your repository". It may sound obvious, but it probably needs to be said.

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce;;  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>, <ietf-pkix@imc.org>  
Subject: Protocol Action: 'Internet X.509 Public Key Infrastructure  
Proxy Certificate Profile' to Proposed Standard

The IESG has approved following document:

- 'Internet X.509 Public Key Infrastructure Proxy Certificate Profile '  
<draft-ietf-pkix-proxy-08.txt> as a Proposed Standard

This document is the product of the Public-Key Infrastructure (X.509) Working

Group.

The IESG contact persons are Russ Housley and Steve Bellovin.

#### Technical Summary

This document specifies the certificate profile for Proxy Certificates, based on X.509v3 certificate profile in RFC 3280. The term Proxy Certificate is used to describe a certificate that is derived from, and signed by, a normal X.509v3 End Entity Public Key Certificate or by another Proxy Certificate.

#### Working Group Summary

The PKIX Working Group came to consensus on this document.

#### Protocol Quality

This document was reviewed by Russell Housley for the IESG.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item - 13 of 14

- o draft-ietf-rohc-ip-only-05.txt

Robust Header Compression (ROHC): A Compression Profile for IP  
(Proposed  
Standard)

Note: Significant amounts of WG review occurred, led by co-chair, since

other co-chair is an author...Applicability could be more clearly stated,

but the context is IP tunnels in particular.

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-rohc-ip-only-05.txt to Proposed Standard  
-----

Evaluation for draft-ietf-rohc-ip-only-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9626&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9626&rfc_flag=0)

Last Call to expire on: 2003-11-28

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment:

Is this intended to be an update to RFC 3095? I think it ought to be.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>, <rohc@ietf.org>  
Subject: Protocol Action: 'RObust Header Compression (ROHC): A  
Compression Profile for IP' to Proposed Standard

The IESG has approved following document:

- 'RObust Header Compression (ROHC): A Compression Profile for IP '  
<draft-ietf-rohc-ip-only-05.txt> as a Proposed Standard

This document is the product of the Robust Header Compression Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

This document defines one additional compression profile for the RObust Header Compression (ROHC) framework, as defined by RFC 3095. In RFC 3095, profiles are specified for compression of IP/UDP, IP/UDP/RTP, IP/ESP, as well as for uncompressed ROHC transmission. However, a compression profile for IP only was omitted in RFC 3095, and this document contributes with that missing piece. The profile is defined to require minimal modifications to existing ROHC code base, although it does provide some minor but useful enhancements and corrections, compared to the RFC 3095 profiles.

#### Working Group Summary

There was strong consensus in the working group to get this profile published, as it was seen to become an important complement to RFC 3095.

#### Protocol Quality

Allison Mankin reviewed the document for the IESG. In the working group, the document was carefully reviewed by several implementers of RFC 3095, and the working group and IETF Last Calls did not raise any issues.

#### RFC Editor Note

## Re-name the References - Normative References

### 2. Protocol Actions

#### 2.1 WG Submissions

##### 2.1.1 New Item - 14 of 14

###### o draft-ietf-sip-callee-caps-02.txt

Indicating User Agent Capabilities in the Session Initiation Protocol

(SIP) (Proposed Standard)

Note: Mid-course Applications area review, as with caller prefs, resulted

in use of 2506/2533 media features approach. . Security review of . companion draft caller prefs (approved with a Security note on 4

Dec) has been factored in to Security Considerations of this i-d.

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sip-callee-caps-02.txt to Proposed Standard

-----

Evaluation for draft-ietf-sip-callee-caps-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=10628&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10628&rfc_flag=0)

Last Call to expire on: 2003-11-28

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]

Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ X ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ned Freed:

Comment:

There seems to be some confusion in section 10.1 as to which tags are in the sip tree and which are not. In particular, section 10.1 states that all the tags in this section are in the sip tree. But the tags in sections

10.1.1 through 10.1.6 do not appear to be in the sip tree. I was thinking

the idea was that the sip. prefix was to be assumed, but then along came sections 10.1.7 through 10.1.18 where the sip. prefix does explicitly appear

Is it that the first six of these aren't in the sip tree and the remainder

are, or was the sip. prefix on the first six omitted in error? I kind of hop

it is the former, since I think the first six of these could have utility

outside of SIP, but I won't object it is the latter.

I also note that the 10.1 level seems to serve little purpose since all of

the subsections of 10 are in it. Of course this would change if 10.1 was for

the registrations outside the sip. tree and 10.2 was for those in the sip. tree.

Section 12.2 reiterates that all the registrations go in the SIP tree, BTW.

Nits:

Really bad orphan on pages 14, 18 and 42. I'm sure the RFC Editor will fix

this.

T

Ted Hardie:

Comment:

I believe some of the registrations need re-wording before they are recorded with IANA, as they appear to register sets as tokens, rather than registering the tokens, then using set syntax. Section 10.1.16 says:

Summary of the media feature indicated by this tag: The set of URI schemes [10] that are supported by a UA.

I think what they intend to do is parallel to the feature tag registration of something like "paper size" (see section 2.4 of RFC2534). That registers individual tokens with typical values like "A4" and "B4". That is then expressed using a set syntax like ( paper-size=[A4,B4] ) (See RFC 2533 and the update in rfc 2738).

There are several registrations like 10.1.16, and a quick pass through to confirm that they are each registrations with a fvalue of token, expressable in sets is needed. This should probably be done before AUTH48, though, since AUTH48 occurs after the IANA registration.

Sorry for not catching this earlier.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <sip@ietf.org>

Subject: Protocol Action: 'Indicating User Agent Capabilities in the  
Session Initiation Protocol (SIP)' to Proposed Standard

The IESG has approved following document:

- 'Indicating User Agent Capabilities in the Session Initiation Protocol (SIP) '  
<draft-ietf-sip-callee-caps-02.txt> as a Proposed Standard

This document is the product of the Session Initiation Protocol Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

This specification defines mechanisms by which a Session Initiation Protocol (SIP) user agent can convey its capabilities and characteristics to other user agents and to the registrar for its domain. This information is conveyed as parameters of the Contact header field. It may be used by a proxy for call routing. The parameter

design is based on RFC 2506, media feature tags. The specification creates a SIP tree registry parallel to the IETF tree registry from RFC 2506. The syntax of the parameters is based on RFC 2533.

Strong considerations regarding the privacy and data integrity of the information are discussed by the document.

#### Working Group Summary

The working group took a lot of care and review developing this design.

There was a mid-course design review from an Applications area standpoint that resulted in the advice to work with the RFC 2533, 2506 approach, which has proved to be very constructive. The WG supported the advancement strongly, after thorough review.

#### Protocol Quality

The document was reviewed for the IESG by Allison Mankin. The Applications mid-course reviews were by Patrik Faltstrom and Ted Hardie.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 1 of 1

- o draft-ietf-eap-rfc2284bis-07.txt  
Extensible Authentication Protocol (EAP) (Proposed Standard)  
Note: Deferred from 2003-12-4 telechat.  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-eap-rfc2284bis-07.txt to Proposed Standard

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Evaluation for draft-ietf-eap-rfc2284bis-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9905&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9905&rfc_flag=0)

Last Call to expire on: 2003-11-26

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]

Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

#### Discuss:

1. In section 4.3, paragraph [a], the document says: "These MUST be pseudo-random, generated by a PRNG seeded as per [RFC1750]."  
While I like RFC 1750 very much, I do not think that a MUST statement ought to reference it. An informative reference is better in this case than a normative reference.
2. In section 7.2.1, the definition of 'key strength' is not correct. In a perfect symmetric cipher, the brute force attack is the best possible attack. That is, the attacker must attempt to decrypt with each possible key value until the correct one is found. On average, half of the key values need to be tried to locate the correct one to decrypt a particular ciphertext. So, on average,  $2^{(N-1)}$  operations are needed to attack a key with N bits of effective strength.

#### Comment:

1. Please pick one spelling and use it throughout the document:
  - either 'passthrough' or 'pass-through'
  - either 'ad-hoc' or 'ad hoc'
2. In section 1.2, please add the definition of supplicant and slightly revise the definition of EMSK as follows:

#### supplicant

The end of the link that responds to the authenticator in [IEEE-802.1X]. In this document, this end of the link is called the peer.

#### Extended Master Session Key (EMSK)

Additional keying material derived between the EAP client and server that is exported by the EAP method. The EMSK is at least 64 octets in length. The EMSK is not shared with the authenticator or any other third party. The EMSK is reserved for future uses that are not defined yet.

3. In section 1.3, I find the last sentence of the 4th paragraph awkward. I propose the following rewording:

As a result, it may be necessary for an authentication algorithm to add one or two additional messages (at most one roundtrip) between the client and authenticator in order to run over EAP.

4. In section 2.4, 1st paragraph, last sentence, the term 'authenticatees' is introduced. I think that 'peers' should be used instead. This leads to a problem because 'peers' is used elsewhere in the sentence. Proposal:

Both ends of the link may act as authenticators and peers at the same time.

5. In section 3.2, 1st paragraph, 1st sentence: s/must/MUST/

6. In section 4.2, 7th paragraph at the top of page 25, 1st sentence, I cannot figure out what the sentence means:

A mutually authenticating method (such as EAP-TLS [RFC2716]) that provides authorization error messages provides protected result indications for the purpose of this specification.

7. In section 7.11, 2nd paragraph, last sentence:  
s/recommended/RECOMMENDED/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <eap@frascone.com>

Subject: Protocol Action: 'Extensible Authentication Protocol (EAP)' to Proposed Standard

The IESG has approved following document:

- 'Extensible Authentication Protocol (EAP) '  
<draft-ietf-eap-rfc2284bis-06.txt> as a Proposed Standard

This document is the product of the Extensible Authentication Protocol

Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

## Technical Summary

This document defines the Extensible Authentication Protocol (EAP), an authentication framework which supports multiple authentication methods. EAP typically runs directly over data link layers such as PPP or IEEE 802, without requiring IP. EAP provides its own support for duplicate elimination and retransmission, but is reliant on lower layer ordering guarantees. Fragmentation is not supported within EAP itself; however, individual EAP methods may support this.

## Working Group Summary

This document is a product of the EAP WG. It has been extensively reviewed by the WG and updated to reflect comments from several WG last calls. The -07 version also includes updates to address issues raised in IETF last call.

## Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman

## 2. Protocol Actions

### 2.2 Individual Submissions

#### 2.2.1 New Item - 1 of 5

- o draft-ietf-ldapext-matchedval-07.txt  
Returning Matched Values with LDAPv3 (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ldapext-matchedval-07.txt to Proposed Standard

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Evaluation for draft-ietf-ldapext-matchedval-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=4555&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=4555&rfc_flag=0)

Last Call to expire on: 2002-08-29

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ X ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ned Freed:

Discuss:

The note at the end of section 2 says:

Note. If the AttributeDescriptionList is empty or comprises "\*" then the control MUST be applied against every user attribute. If the AttributeDescriptionList contains a "+" then the control MUST be applied against every operational attribute.

But "AttributeDescriptionList" appears nowhere else in the document, nor is it part of any of any of the components of SimpleFilterItem. I assume this is referring to the attributes field of the search request this control is attached to, but this really needs to be made more explicit.

More generally, an interesting side effect of this control is that it doesn't seem to be possible to say "return only the values

of these attributes that match these criteria but return all values of all other attributes". Is this going to be a problem? And even if it isn't a problem, some text describing this limitation would seem to be in order.

Nits:

The first example uses the domains hotmail.com and sun.com. These should be

changed to our customary example domains.

Section 7. "Registrigration" -> "Registration".

Copyright boilerplate has (date) rather than an actual date.

Section 12 should be marked as needing to be removed prior to publication.

Further discussion:

We now have a number of LDAP controls that apply to searching (2891 - server

side result sorting, 2696 - paged results, 2649 - signed results). I believe

I can argue that the utility of being able to specify any of these in an LDAP

URL is questionable, and that wanting paged results, sorted results, or

signed results is a function of the underlying application and not of the

URL the application is processing. But I cannot make the same argument stick

for this document -- it seems quite reasonable to want to be able to construct an LDAP URL that says "return only the attribute values that match

these criteria". As such, I wonder if it would not be appropriate to define

an LDAP URL extension that allows this control to be specified. (Is this why

ABNF for specifying a string version of this control was worked out so carefully?)

Ted Hardie:

Comment:

In reply to Ned's Discuss: AttributeDescriptionList is defined in RFC2251,

and is part of the core

LDAP spec. The RFC is referenced as [2] in this draft. I suspect the

community of developers  
working won't have an issue with it, but just in case, would "(see [2])"  
at  
the first mention  
of AttributeDescriptionList solve the problem?

Russ Housley:

Comment:

The document does not follow the guidelines for examples. It uses  
the author's phone numbers and email addresses.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Returning Matched Values with LDAPv3'  
to Proposed Standard

The IESG has approved following document:

- 'Returning Matched Values with LDAPv3 '  
<draft-ietf-ldapext-matchedval-07.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an  
IET  
Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

This document describes a control for the Lightweight Directory  
Access Protocol version 3 that is used to return a subset of  
attribute values from an entry, specifically, only those values that  
match a "values return" filter. Without support for this control, a  
client must retrieve all of an attribute's values and search for  
specific values locally.

Working Group Summary

This document was originally a product of the LDAP extensions working group; when that working group shut down, this work was carried forward by its authors. It has been reviewed by the LDAPEXT mailing list and changes made based on comments received.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie

## 2. Protocol Actions

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 5

##### o draft-singer-jp2-02.txt

MIME Type Registrations for ISO/IEC 15444 (Proposed Standard)

Note: Reviewed security considerations, nits, textual contexts, status of

referenced standards - looks ready for Last Call.. Will need section reference rather than "see above" in MIME definition Security Considerations, but this can be fixed in RFC Editor note.

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-singer-jp2-02.txt to Proposed Standard

-----

Evaluation for draft-singer-jp2-02.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7297&rfc_flag=0)

[command=view\\_id&dTag=7297&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7297&rfc_flag=0)

Last Call to expire on: 2003-12-08

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]

Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ X ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Steve Bellovin:

Comment:

No informative/normative split of references

Ned Freed:

Comment:

Additional nits:

No copyright boilerplate

No IPR boilerplate

References not split

Reference to RFC-TIFF does not include an RFC number

A bit heretical perhaps, but I'd like to see a URL for the JFIF reference

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'MIME Type Registrations for ISO/IEC 15444'  
to Proposed Standard

The IESG has approved following document:

- 'MIME Type Registrations for ISO/IEC 15444 '  
    <draft-singer-jp2-02.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Allison Mankin.

#### Technical Summary

This document serves to register and document the standard MIME types associated with the ISO/IEC 15444 standards, commonly known as JPEG 2000 (Joint Photographic Experts Group).

#### Working Group Summary

The JPEG 2000 MIME type spec is an individual submission, but there is AVT

WG interest in both the MIME type and the RTP payload, and the AVT WG reviewed the specification and supported advancement.

#### Protocol Quality

In an earlier timeframe there was a submission of the specification without sufficient information. This version has the needed quality related to the AVT WG interests mentioned above. It was reviewed for the IESG by Allison Mankin.

## 2. Protocol Actions

### 2.2 Individual Submissions

#### 2.2.1 New Item - 3 of 5

- o draft-freed-mime-p4-04.txt

Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures (BCP)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-freed-mime-p4-04.txt to BCP  
-----

Evaluation for draft-freed-mime-p4-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10042&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10042&rfc_flag=0)

Last Call to expire on: 2003-10-27

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ X ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ ]	[ R ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment:

Add to Appendix B:

- o Registration of charsets for use in MIME is specified in [RFC2798] and is no longer addressed by this document.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Protocol Action: 'Multipurpose Internet Mail Extensions  
(MIME) Part Four: Registration Procedures' to BCP

The IESG has approved following document:

- 'Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures '  
<draft-freed-mime-p4-03.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IET Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document defines registration procedures which use the Internet Assigned Numbers Authority (IANA) as a central registry for values related to MIME. Of particular interest is the registration procedur for media types described in Section 3.3.

Note that registration of charsets for use in MIME is specified in [RFC2798] and is no longer addressed by this document

#### Working Group Summary

There was no working group reviewing this document, but the community's experience with MIME is now extensive, and this revision has been broadly reviewed.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

2. Protocol Actions  
2.2 Individual Submissions  
2.2.1 New Item - 4 of 5

- o draft-savola-bcp38-multihoming-update-02.txt  
Ingress Filtering for Multihomed Networks (BCP)  
Token: Bert Wijnen

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-savola-bcp38-multihoming-update-02.txt to BCP  
-----

Evaluation for draft-savola-bcp38-multihoming-update-02.txt can be found  
at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10334&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10334&rfc_flag=0)

Last Call to expire on: 2003-08-06

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ X ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Discuss:

I really like this document, but I think a small amount of  
rearrangement

will help the reader. The text at beginning of Section 5 is about security, and I think the reader would be better served if it were in the Security Considerations section. The text that is in the Security Considerations section is much weaker than the material in Section 5.

I suggest breaking the current Section 5 into two parts. Rename the first part Security Considerations. Sprinkle the text from the current Security Considerations section to taste. Then, delete the current Section 6. Call the second part of the current Section 5 'Conclusions and Future Work' and number it Section 6.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Ingress Filtering for Multihomed Networks'  
to BCP

The IESG has approved the following document:

- 'Ingress Filtering for Multihomed Networks '  
<draft-savola-bcp38-multihoming-update-02.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Bert Wijnen.

#### Technical Summary

RFC 2827 recommends that ISPs police their customers' traffic by dropping traffic entering their networks that is coming from a source address not legitimately in use by the customer network. The filtering includes but is in no way limited to the traffic whose source address is a so-called "Martian Address" - an address that is reserved (RFC 3330), including any address within 0.0.0.0/8, 10.0.0.0/8, 127.0.0.0/8, 172.16.0.0/12, 192.168.0.0/16, 224.0.0.0/4, or 240.0.0.0/4.

This document discusses known technical issues and problems when

implementing RFC 2827 using

- o Ingress Access Lists,
- o Strict Reverse Path Forwarding,,
- o Loose Reverse Path Forwarding, and
- o Loose Reverse Path Forwarding ignoring default routes

and discusses trade-offs and work-arounds available to the prudent operator.

## Working Group Summary

As this document is not the product of a working group, there was no working group last call. But it was reviewed in various WGs, namely multi6 and v6ops. There was also a 4 week IETF Last Call.

## Protocol Quality

This document was reviewed for the IESG by Randy Bush, Bert Wijnen and the Operations Directorate.

## 2. Protocol Actions

### 2.2 Individual Submissions

#### 2.2.1 New Item - 5 of 5

- o draft-newman-esmtpsa-01.txt  
ESMTP and LMTP Transmission Types Registration (Proposed Standard)  
Token: Ned Freed

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-newman-esmtpsa-01.txt to Proposed Standard  
-----

Evaluation for draft-newman-esmtpsa-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10697&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10697&rfc_flag=0)

Last Call to expire on: 2003-12-04

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ X ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Steve Bellovin:

#### Comment:

It might be wise to add to the security considerations some note to the effect that this information is not trustable, and SHOULD NOT be used for mail filtering or relaying decisions except in very controlled environments.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'ESMTP and LMTP Transmission Types  
Registration' to Proposed Standard

The IESG has approved following document:

- 'ESMTP and LMTP Transmission Types Registration '  
<draft-newman-esmtpsa-01.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an

IETF Working Group.

The IESG contact person is Ned Freed.

#### Technical Summary

This registers seven new mail transmission types (ESMTPA, ESMTPS, ESMTPSA, LMTP, LMTPA, LMTPS, LMTPSA) for use in the "with" clause of a Received header in an Internet message.

#### Working Group Summary

This document was reviewed on the ietf-smtp@imc.org mailing list but is not a product of an IETF working group.

#### Protocol Quality

Ned Freed reviewed the document for the IESG.

#### 2.2.2 Returning Item

NONE

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item - 1 of 2

- o draft-ietf-ipv6-node-requirements-07.txt  
IPv6 Node Requirements (Informational)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ipv6-node-requirements-07.txt to  
Informational

RFC

-----

Evaluation for draft-ietf-ipv6-node-requirements-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8926&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8926&rfc_flag=0)

Last Call to expire on: 0000-00-00

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ ]	[ X ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Steve Bellovin:

Discuss:

I'm astonished that Path MTU is a MAY -- I had thought it was a MUST.  
I'd really like some more text explaining what some of the many  
exceptions are that are alluded to here.

For Section 8, RFCs 2401, 2402, and 2406 are currently being revised by  
the IPsec group; that should be mentioned.

The crypto algorithm requirements should be better aligned with  
recommendations from the IPsec wg. There's a draft that lists 3DES as  
SHOULD, not MAY.

I think that IKEv? should be a SHOULD, not a MAY. While the IESG hasn't  
yet seen draft-bellovin-mandate-keymgmt, it will soon and it describes  
automated key management as a "strong SHOULD". That's certainly the  
consensus in the security area.

Ned Freed:

Comment:

Nit: No copyright boilerplate

Comment: Checking all the references is sure going to be fun...

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <ipv6@ietf.org>

Subject: Document Action: 'IPv6 Node Requirements' to Informational  
RFC

The IESG has approved the following document:

- 'IPv6 Node Requirements '  
    <draft-ietf-ipv6-node-requirements-07.txt> as an Informational RFC

This document is the product of the IP Version 6 Working Group Working  
Group

The IESG contact persons are Margaret Wasserman and Thomas Narten.

Technical Summary

(What does this protocol do and why does the community need it?)

Working Group Summary

(Was there any significant dissent? Was the choice obvious?)

Protocol Quality

(Who has reviewed the spec for the IESG? Are there implementations?)

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item - 2 of 2

###### o Eight-document ballot:

- draft-ietf-v6ops-ipv4survey-intro-05.txt

Introduction to the Survey of IPv4 Addresses in Currently Deployed

IETF

Standards (Informational)

- draft-ietf-v6ops-ipv4survey-apps-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Application

Area

Standards (Informational)

- draft-ietf-v6ops-ipv4survey-ops-04.txt

Survey of IPv4 Addresses in Currently Deployed IETF Operations &  
Management Area Standards (Informational)

- draft-ietf-v6ops-ipv4survey-int-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Internet Area  
Standards (Informational)

- draft-ietf-v6ops-ipv4survey-routing-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Routing Area  
Standards (Informational)

- draft-ietf-v6ops-ipv4survey-sec-03.txt

Survey of IPv4 Addresses in Currently Deployed IETF Security Area  
Standards (Informational)

- draft-ietf-v6ops-ipv4survey-subip-04.txt

Survey of IPv4 Addresses in Currently Deployed IETF Sub-IP Area  
Standards (Informational)

- draft-ietf-v6ops-ipv4survey-trans-05.txt

Survey of IPv4 Addresses in Currently Deployed IETF Transport Area  
Standards (Informational)

Token: Bert Wijnen

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-v6ops-ipv4survey-intro-05.txt to  
Informational

RFC, draft-ietf-v6ops-ipv4survey-apps-03.txt to Informational

RFC,

draft-ietf-v6ops-ipv4survey-ops-04.txt to Informational RFC,

draft-ietf-v6ops-ipv4survey-int-03.txt to Informational RFC,

draft-ietf-v6ops-ipv4survey-routing-03.txt to Informational

RFC,

draft-ietf-v6ops-ipv4survey-sec-03.txt to Informational RFC,

draft-ietf-v6ops-ipv4survey-subip-04.txt to Informational RFC,

draft-ietf-v6ops-ipv4survey-trans-05.txt to Informational RFC

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Evaluation for draft-ietf-v6ops-ipv4survey-intro-05.txt,  
draft-ietf-v6ops-ipv4survey-apps-03.txt,  
draft-ietf-v6ops-ipv4survey-ops-04.txt,  
draft-ietf-v6ops-ipv4survey-int-03.txt,  
draft-ietf-v6ops-ipv4survey-routing-03.txt,  
draft-ietf-v6ops-ipv4survey-sec-03.txt,  
draft-ietf-v6ops-ipv4survey-subip-04.txt,  
draft-ietf-v6ops-ipv4survey-trans-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9943&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9943&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ X ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

Comment:

I have only scanned the apps document. There are some inconsistencies -  
for  
instance, TIP (RFC 2371) has v4 dependencies, but is not mentioned in  
sectio  
7, which seems intended to list all the dependencies and what should be  
done  
about them, and the title of section 7.2.3 is missing one letter.

Grammar-wise, I think the sentence "This specification only requires a text update, to become IPv6 compliant", which occurs many times in section 7, has a comma too much. But I think these are minor things. I think the document should go out.

Steve Bellovin:

Comment:

I have only reviewed the security document. It looks pretty good, but Section 7 doesn't mention 2514. As far as I know, it's not in use, but with increasing attention to routing security there may be some push to move it to standards track.

Ned Freed:

Discuss:

Minor omission: RFC 2192, IMAP URLs, is dependent on RFC 1738 URL definitions. This should be noted as was done for RFC 2193 and 2384.

Same applies to RFC 2255, LDAP URLs.

Section 5.127 states that RFC 2821 has no IPv4 dependences. In a word, nonsense.

For one thing, RFC 2821 talks at length about using A records; AAAA records are never mentioned. And for another, RFC 2821 is where MX record handling is specified.

The specific details of how to handle MX records that point at hosts which have a mixture of A and AAAA records need to be worked out and specified. For example, suppose you have an MX that points at two hosts A and B with equal preference values. A only has an A record and B only has an AAAA record. Unless the rules are carefully specified this could lead to failures for an IPv4-only or an IPv6-only host.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <v6ops@ops.ietf.org>

Subject: Document Action: 'Introduction to the Survey of IPv4

Addresses in Currently Deployed IETF Standards' to  
Informational RF

The IESG has approved the following documents:

- 'Survey of IPv4 Addresses in Currently Deployed IETF Routing Area  
Standard'  
    <draft-ietf-v6ops-ipv4survey-routing-03.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Security Area  
Standards '  
    <draft-ietf-v6ops-ipv4survey-sec-03.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Sub-IP Area  
Standards'  
    <draft-ietf-v6ops-ipv4survey-subip-04.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Transport Area  
Standards '  
    <draft-ietf-v6ops-ipv4survey-trans-05.txt> as an Informational RFC
- 'Introduction to the Survey of IPv4 Addresses in Currently Deployed  
IETF  
Standards '  
    <draft-ietf-v6ops-ipv4survey-intro-05.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Application Area  
Standards '  
    <draft-ietf-v6ops-ipv4survey-apps-03.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Operations &  
Management  
Area Standards '  
    <draft-ietf-v6ops-ipv4survey-ops-04.txt> as an Informational RFC
- 'Survey of IPv4 Addresses in Currently Deployed IETF Internet Area  
Standards '  
    <draft-ietf-v6ops-ipv4survey-int-03.txt> as an Informational RFC

These documents are products of the IPv6 Operations Working Group.

The IESG contact person is Bert Wijnen.

IESG, as you can see, I have reviewed the intro document and the OPS area document. Can each area review their own document? We can then add the Quality section below and add the names of the ADs that did that area specific review.

## Technical Summary

These documents provide an overview and introduction to the v6ops IETF workgroup project of documenting all usage of IPv4 addresses in currently deployed IETF documented standards. Besides the intro document, there are seven documents conforming to the current IETF areas. The intro document also describes the methodology used during documentation, which type of RFCs that has been documented, and a concatenated summary of results.

## Working Group Summary

The WG has consensus to publish these documents as Informational RFCs. The area specific documents were reviewed within the specific areas.

## Protocol Quality

The intro and OPS area documents have been reviewed for the IESG by Bert Wijnen.

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.2 Returning Item - 1 of 2

- o draft-ietf-xmlsig-xc14n-02.txt

Exclusive XML Canonicalization, Version 1.0 (Informational)

Note: The revised draft includes the changes requested by Randy

Bush.· It

is back on the agenda to confirm that there are no further concerns.

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-xmlsig-xc14n-02.txt to Informational RFC

-----

Evaluation for draft-ietf-xmlsig-xc14n-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9229&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9229&rfc_flag=0)

Last Call to expire on: 0000-00-00

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <w3c-ietf-xmlsig@w3.org>

Subject: Document Action: 'Exclusive XML Canonicalization, Version 1.0' to Informational RFC

The IESG has approved following document:

- 'Exclusive XML Canonicalization, Version 1.0 '

<draft-ietf-xmlldsig-xc14n-01.txt> as an Informational RFC

This document is the product of the XML Digital Signatures Working Group.

The IESG contact persons are Russ Housley and Steve Bellovin.

#### Technical Summary

Canonical XML specifies a standard serialization of XML that, when applied to a subdocument, includes the subdocument's ancestor context including all of the namespace declarations and attributes in the "xml:" namespace. However, some applications require a method which, to the extent practical, excludes ancestor context from a canonicalized subdocument. For example, one might require a digital signature over an XML payload (subdocument) in an XML message that will not break when that subdocument is removed from its original message or inserted into a different context. This requirement is satisfied by Exclusive XML Canonicalization.

#### Working Group Summary

This document is the W3C (World Wide Web Consortium) Exclusive Canonicalization Recommendation. This document has been reviewed by W3C Members and other interested parties, including the IETF XMLDSIG Working Group. Canonicalization is an important step in the process of digitally signing an XML document.

#### Protocol Quality

This document was reviewed by Russell Housley for the IESG.

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.2 Returning Item - 2 of 2

- o draft-ietf-send-psreq-04.txt

IPv6 Neighbor Discovery trust models and threats (Informational)

Note: Back on the agenda to address minor comments from Thomas, Ted and

Russ.

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-send-psreq-04.txt to Informational RFC

-----

Evaluation for draft-ietf-send-psreq-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9439&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9439&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

<ietf-send@standards.ericsson.net>

Subject: Document Action: 'IPv6 Neighbor Discovery trust models

and threats' to Informational RFC

The IESG has approved following document:

- 'IPv6 Neighbor Discovery trust models and threats '  
<draft-ietf-send-psreq-03.txt> as an Informational RFC

This document is the product of the Securing Neighbor Discovery Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

##### 3.2.1 New Item - 1 of 1

- o draft-sbml-media-type-02.txt

MIME Media Type for SBML, the Systems Biology Markup Language  
(Informational)

Note: Nit: RFC 3023 should be a normative, not informative,  
reference

Token: Ned Freed

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-sbml-media-type-02.txt to Informational RFC

-----

Evaluation for draft-sbml-media-type-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10902&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10902&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ X ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'MIME Media Type for SBML, the Systems  
Biology Markup Language' to Informational RFC

The IESG has approved following document:

- 'MIME Media Type for SBML, the Systems Biology Markup Language '  
<draft-sbml-media-type-02.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ned Freed.

## Technical Summary

This document registers the MIME sub-type application/sbml+xml, a media type for SBML, the Systems Biology Markup Language. SBML is defined by The SBML Team at the California Institute of Technology and interested members of the systems biology community.

## Working Group Summary

This document was reviewed in the IETF on the ietf-types mailing list but is not the product of an IETF working group.

## Protocol Quality

Ned Freed reviewed the document for the IESG.

## RFC Editor note

RFC 3023 should be changed from an informative to a normative reference.

## 3. Document Actions

### 3.2 Individual Submissions Via AD

#### 3.2.2 Returning Item - 1 of 1

##### o draft-nakajima-camellia-03.txt

A Description of the Camellia Encryption Algorithm (Informational)

Token: Steve Bellovin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-nakajima-camellia-03.txt to Informational RFC

-----

Evaluation for draft-nakajima-camellia-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=5901&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=5901&rfc_flag=0)

Last Call to expire on: 0000-00-00

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]

Steve Bellovin	[ X ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'A Description of the Camellia Encryption  
Algorithm' to Informational RFC

The IESG has approved the following document:

- 'A Description of the Camellia Encryption Algorithm '  
<draft-nakajima-camellia-03.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Steve Bellovin.

Technical Summary

This provides an easy-to-find reference for the Camellia encryption algorithm.

Working Group Summary

(Was there any significant dissent? Was the choice obvious?)

## Protocol Quality

(Who has reviewed the spec for the IESG? Are there implementations?)

### 3. Document Actions

#### 3.3 Individual Submissions Via RFC Editor

##### 3.3.1 New Item - 1 of 1

o draft-jseng-idn-admin-05.txt

Internationalized Domain Names Registration and Administration  
Guideline  
for Chinese, Japanese and Korean (Informational)  
Token: Harald Alvestrand

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-jseng-idn-admin-05.txt to Informational RFC

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Evaluation for draft-jseng-idn-admin-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8774&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8774&rfc_flag=0)

Last Call to expire on: 0000-00-00

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ X ]	[ ]	[ ]	[ ]
Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ned Freed	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ X ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]

Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Discuss:

Proposed IESG Note:

The IESG congratulates the Joint Engineering Team on developing mechanisms to enforce their desired policy. The Language Variant Table mechanisms described here allow JET to enforce language-based character variant preferences, and they set an example for those who might want to use variant tables for their own policy enforcement. The IESG encourages those following this example to take JET's diligence as an example, as well as its technical work. To follow their example, registration authorities may need to articulate policy, develop appropriate procedures and mechanisms for enforcement, and document the relationship between the two. JET's LVT mechanism should be adaptable to different policies, and can be considered during that development process. The IETF does not, of course, dictate policy or require the use any particular mechanisms for the implementation of these policies, as these are matters of sovereignty and contract.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: RFC Editor <rfc-editor@rfc-editor.org>

Cc: The IESG <iesg@ietf.org>, <iana@iana.org>

Subject: Re: Informational RFC to be: draft-jseng-idn-admin-05.txt

The IESG has no problem with the publication of 'Internationalized Domain Names Registration and Administration Guideline for Chinese, Japanese and Korean' <draft-jseng-idn-admin-05.txt> as an Informational RFC.

The IESG contact person is Harald Alvestrand.

Thank you,

The IESG Secretary

#### Technical Summary

This document describes a set of procedures for dealing with IDN registrations.

The rules are intended to ensure that someone who registers one string in a

language will also get reserved most other strings that "mean the same thing"

due to script variations.

This works reasonably well for the Chinese-Japanese-Korean (CJK) group of

scripts.

The spec includes a "specification table format" for describing the concept

of "means the same thing" at the character level. It does not include the

real tables for the real languages.

#### Working Group Summary

This document was developed in a Joint Engineering Team (JET) between the

Chinese, Korean, Japanese and Taiwanese NICs.

#### Protocol Quality

John Klensin has been extensively involved in reviewing the document.

Harald Alvestrand has reviewed the document for the IESG.

(others can get their names here too...)

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Control And Provisioning of Wireless Access Points (capwap) - 1 of 1  
Token: Bert

Control and Provisioning of Wireless Access Points (capwap)

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Last Modifies: 2002-12-17

Current Status: Proposed Working Group

Chairs:

TBD

Operations and Management Area Director(s):

Bert Wijnen <bwijnen@lucent.com>

Operations and Management Area Advisor:

Bert Wijnen <bwijnen@lucent.com>

IEEE Liaison to IETF:

Dorothy Stanley (dstanley@agere.com)

Technical Advisor:

Bob O'Hara (bohara@airespace.com)

Mailing Lists:

General Discussion: tbd

To Subscribe: tbd

Archive: tbd

## Description:

As the size and complexity of IEEE 802.11 wireless networks has increased, problems in the deployment, management, and usability of these networks have become evident. Access points (APs) typically require complex management at the IP level. As the number of APs increases, the number of devices requiring complex management increases, in some cases, doubling the number of IP devices requiring management in a provider's network. In addition, because APs have no visibility beyond their own cell, a variety of problems ensue in large scale 802.11 networks. Load balancing between APs, dead cell detection, and correlating patterns of usage between APs to detect attacks are difficult to impossible. Finally, because each AP acts as its own Network Access Server (NAS), a network provider is faced with the prospect of moving from a situation where the NAS is a few machines with dialup access in a machine room to a situation where hundreds or perhaps thousands of devices scattered across a wide geographic area have NAS functionality. Maintaining security on such a wide collection of devices is a difficult challenge.

In recent attempts to solve these problems, various vendors have introduced products that redistribute the functionality of 802.11 APs in various ways. However, because the 802.11 access network functional architecture is incompletely specified, the network interfaces between network entities in different vendors' products are defined in incompatible ways. As a result, the protocols between the network entities in different products are not interoperable.

## Charter:

As a first step, the CAPWAP Working Group will develop a problem statement and network architecture taxonomy describing the current set of approaches to providing more support for scalable 802.11 access networks. The problem statement will describe, at a high level, what the deployment, management, and usability concerns are with 802.11 networks based on the traditional autonomous AP architecture, and will link those concerns to specific technical aspects of the autonomous AP architecture. The network architecture taxonomy will:

- Describe the current set of approaches (including the traditional autonomous AP architecture) to partitioning 802.11 access network functionality between network entities,

- List what the interfaces between the network entities are in each approach,
- At a functional level, describe what the protocols on the interfaces between the network entities in each approach do,
- Describe the advantages and disadvantages of each approach for scalable 802.11 access network deployment and management.

Additionally, the architecture document will contain a threat analysis that describes the security threats involved in each network architectural approach.

Specific Working Group deliverables are:

- A problem statement document,
- A network architecture taxonomy document including threat analysis.

Specific non-goals of this work are:

- Any work requiring revising the 802.11 access network functional architecture

The CAPWAP WG will maintain a close working liaison with relevant working groups in IEEE 802.11 and IEEE 802.1. Working Group documents will be sent to an expert review board for review prior to submission to the IESG. In order to facilitate quick completion of this work, the Working Group charter will expire 9 months after it is approved by the IESG, at which time the Working Group can either petition the IESG for a continuation or recharter for further work on the interoperability problem.

Goals and Milestones:

Feb 2004: Last call for problem statement draft.

Mar 2004 Discuss last call comments for problem statement at IETF 59.

Mar 2004: Last Call for architecture description document.

Apr 2004: Submit problem statement to IESG for publication approval.

May 2004: Architecture document to expert review.

Aug 2004 Discuss last call and expert review comments at IETF 60.

Aug 2004: Submit architecture document to IESG for publication approval.

Sep 2004: Close WG or Re-charter

#### 4. Working Group Actions

##### 4.1 WG Creation

###### 4.1.2 Proposed for Approval

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.2 Proposed for Approval

NONE

#### 5. Working Group News We Can Use

Harald Alvestrand

Steve Bellovin

Bill Fenner

Ned Freed

Ted Hardie

Russ Housley

Allison Mankin

Thomas Narten

Jon Peterson

Margaret Wasserman

Bert Wijnen

Alex Zinin

#### 6. IAB News We Can Use

#### 7. Management Issues

##### 7.1 Closing GSMP WG or not (Bert Wijnen)

IESG,

I had warned WG chairs at the Vienna meeting. And in co-operation with them I did send an email to the WG list to solicit/enourage more WG participation. I did not really threaten the closure of the WG back then, cause WG chairs thought that would de-motivate people.

At the Minneapolis meeting Alex and I had lunch with WG chairs. They were trying to convince us that soon they will have much more activity. I asked the WG chairs to make a "appeal" to defend keeping

the WG, which they did and which I have attached below.

Last week I posted to the WG list that I did not see enough (if any) increase in participation and so that it looks to me that the WG better be closed. WG chairs are not happy, I still feel that that is what we (I) should do. I'd like to hear IESG opinion.

Thanks,  
Bert

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-----Original Message-----

From: avri [mailto:avri@psg.com]

Sent: vrijdag 14 november 2003 16:55

To: Bert Wijnen; Alex

Cc: Kenneth Sundell

Subject: Appeal of the pending decision to close the GSMP WG

To Bert and Alex

During the lunchtime conversation with you, it was recommended that Kenneth and I compose an appeal to you that requests that the GSMP group be allowed to remain chartered.

In the appeal we will cover:

- Brief review of the reason for the GSMP work item
- Brief history of how and why we got into participation and milestone trouble
- Reason why we believe the future will be different
- List of actions and milestones to be undertaken before IETF59 that give objective evidence of progress
- Revised list of major milestones
- Conclusion - why should the group be allowed to finish its work.

#### 1. Reason for GSMP work item

But first, a recap of why we are doing this work. The simple answer is to support GMPLS. But this doesn't really answer the question of why. Why does GMPLS need the support and what sort of functionality does GSMP enable? GMPLS requires that a routing/signaling control plane be associated with each switching device. In the original concept, this means that a single box will contain both the control plane and data plane entities. GSMP is meant to provide the ability to decouple the control plane from the data plane. For new equipment, the tightly couple method of deploying GMPLS is certainly one reasonable way for vendors to sell their solutions. Leaving aside the issue of whether

this is always the most advantageous solution for their customers, there is still good reason to decouple the the control plane entities from the data plane entities. If GMPLS is to be deployed in the near term on equipment which is already deployed in customer networks, it will be necessary to find a way to deliver the control instructions to the data plane in a de-coupled manner. There may be other ways to this, e.g. TL/1 messaging, CLI messaging, SNMP and perhaps, someday XMLconf. GSMP offers a well defined and efficient means of providing this control link for MPLS and, if we finish our task, will provide an effective means of doing this for GMPLS as well. Adding GSMP to a switch is by far, an easier task then adding control plane functionality.

An additional advantage of decoupling is that it makes it possible to have a single control plane engine control a cluster of switches. There are many circumstance in which this sort of setup could be advantageous for coordinating a set of optical devices.

There is another reason for deploying GMPLS with decoupled control and data planes. While one can use TE to set up for failure scenarios of a single pipes or even more then a single pipe, a catastrophic loss of the optical level cannot easily be handled in a pure GMPLS network. For this it is reasonable to fall back to the resilience of a hop by hop IP network. By deploying a set of routers which are set up to do double duty as GMPLS controllers and as a disaster hop by hop network, one can more easily cover disaster scenarios. GSMP enables such a solution.

The point we are trying to make is that completing GSMP can aid in the deployment and operation of GMPLS networks. And this sometimes overlooked when deciding on the priority for work items.

## 2. Brief History

Following the successful completion of the original charter items, the GSMP WG was re-chartered to work on GMPLS support as well as other items. The group then started working on the requirement items as required by the new charter. A lot of energy went into this effort and the effort eventually resulted in 2 informational RFCs.

In retrospect, the work on these work-items and the wait for approval may have been contributory to dissipating the energy that was in the group. For example, there was active work on producing both a MIB and a PIB for dynamic partitioning before the charter requiring requirements and work items approval was created. At that point the work on the Partitioning MIB/PIB went into a pause state waiting for

charter approval. In retrospect it becomes apparent that the energy that was available for creating the MIB/PIB was displaced into the requirements doc. While waiting for approval to do the work, those who were doing it, drifted on to other work.

Similarly with the requirement spec. A lot of work went into creating this document and getting it through the IESG. While waiting for the approval, all other work went into abeyance. It was only once the Optical Requirements RFC was approved that those doing the work on the drafts got themselves back into the task.

This is not to blame the IESG or the process for the WG descent into apathy and lethargy. As working group chairs, we should have found a way to keep the group invigorated during the long wait. Additionally there was no real need to wait on approval of all the optical requirements, we should have been working the issues while working the requirements through the system. Again, it was miscalculation of the part of the chairs that led into the doldrums.

### 3. Why will the future be different

While it is not apparent from the WG list, the authors of the drafts are now energized and working on the drafts in earnest. It took a while for people's schedules to clear enough for this work to rise in priority. Now that it has the group authors is committed to completing the work.

A couple specific points:

- o Some of the draft authors got together in Minneapolis and worked out the rest of the details necessary to complete the base spec, especially in terms of adding support for optical layering. The base spec that incorporates this information will be out shortly. The TDM spec that uses this functionality is well underway and has been promised for first draft in December. Of course we will continue to prod.

- o We spoke to NTT about their Optical solution and about the need to work with the WG to combine their proposed solution with the work already ongoing in the WG. We have also strongly suggested that this work must be done on the WG list for it to have any chance of success. We were given their assurance that they would comply. Of course we will continue to prod them to this end.

- o We have spoken to two, as of now unnamed, chip vendors who are interested in looking into GSMP. We have asked them to join the GSMP

list and to participate with the review of the specs, especially with a view toward making sure that the work that has been done meets some of the requirements inherent in incorporating protocols in hardware.

o We have two possible candidates for completing the MIB work. This was an essential hole in our plan which we believe we can now fill. There is not much of an update required, but there is some.

In other words, the group is ready to finish the work.

#### 4. Short Term milestones

The most immediate action is to submit an update of the base spec, reflecting the multilayer approach needed for support of TDM switch types. The next version of the base spec is planned for next week (November 20). The second near time goal is to submit the TDM switch extensions as a working group draft in December time frame. The Base and the Packet spec will be submitted for WG last call just before the IETF59.

#### 5. Charter Term Milestones

Dec 03: Submit TDM Switch extensions as WG document  
Apr 04: Submit GSMPv3 Base specification to IESG for publication as Proposed Standard  
Apr 04: Submit L2/Packet capable switch extensions to IESG for publication as Proposed Standard  
Apr 04: Submit MIB/PIB/XMLconf for Dynamic partitioning as WG document  
Jul 04: Submit Optical Switch extensions to IESG for publication as Proposed Standard  
Jul 04: Submit TDM Switch extensions to IESG for publication as Proposed Standard  
Jul 04: Submit MIB(s) to cover Optical and TDM extensions to IESG for publication as Proposed Standard  
Nov 04: Submit MIB/PIB/XMLconf for Dynamic partitioning to IESG  
Dec 04: Working Group go Dormant until time for DS submissions.

#### 6. Conclusion: Why should the GSMP WG be allowed to continue?

We believe that we are working on an item that has beneficial utility to the Internet. We believe there are companies interested in finishing their implementations and in having interoperable products. And we believe we are back on track for finishing the work in a timely

manner. We believe we have solved all of the technical problems posed in the requirements as well as one problem that we had not foreseen: the layering problem. We also believe that we have convinced those who have the differing implementations to work out their differences on the list so that we get a single optical solution.

We, therefore, appeal the pending decision to close the GSMP WG and ask that the new milestones be accepted.

Avri and Ken

Received: from optimus.ietf.org (optimus.ietf.org [132.151.1.19])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA10227  
for <iesg-archive@lists.ietf.org>; Thu, 5 Feb 2004 16:27:29 -0500  
(EST)

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for wgchairs@optimus.ietf.org; Thu, 05 Feb 2004 15:50:10 -0500

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From: Mukesh.Gupta@nokia.com  
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Date: Thu, 5 Feb 2004 14:48:01 -0600  
Message-ID:  
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Thread-Index: AcPsIsuDcmnHI2ufRD+3wT5+XCFV+wABjlrQ  
To: <Basavaraj.Patil@nokia.com>, <wgchairs@ietf.org>  
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Sender: iesg-admin@ietf.org  
Errors-To: iesg-admin@ietf.org  
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List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Id: <iesg.ietf.org>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Content-Transfer-Encoding: quoted-printable

Basavaraj,

> More specifically does anyone know what WG produced RFC2396  
> (Uniform Resource Identifiers (URI): Generic Syntax)

It is URI WG. I see RFC 1738 and 1808 listed at the following=20  
location and RFC 2396 obsoletes both of them.

<http://ietf.org/html.charters/OLD/uri-charter.html>

You can also check <http://gbiv.com/protocols/uri/>  
Current Work Items section talks about RFC 2396.

Regards  
Mukesh

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
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by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1Br8wq-0002Jv-Gb  
for iesg@ietf.org; Sun, 01 Aug 2004 01:31:53 -0400  
Received: from ip68-4-71-218.oc.oc.cox.net ([68.4.71.218] helo=gbiv.com)  
by scorpio.lunarpages.com with asmtpt (SSLv3:DES-CBC3-SHA:168)  
(Exim 4.34) id 1Br8uC-0005nP-RI; Sat, 31 Jul 2004 22:29:08 -0700  
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Mime-Version: 1.0 (Apple Message framework v553)  
To: iesg@ietf.org  
From: "Roy T. Fielding" <fielding@gbiv.com>  
Content-Transfer-Encoding: 7bit  
Message-Id: <D677A952-E37B-11D8-A2A1-000393753936@gbiv.com>  
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please include it with any abuse report  
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X-AntiAbuse: Original Domain - ietf.org  
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X-Spam-Score: 0.1 (/)  
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Content-Transfer-Encoding: 7bit  
X-Mailman-Approved-At: Sun, 01 Aug 2004 11:33:19 -0400  
Cc: uri@w3.org, lmm@acm.org, Tim Berners-Lee <timbl@w3.org>  
Subject: Requesting IESG last call for draft-fielding-uri-  
rfc2396bis-06.txt  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
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List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
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Sender: iesg-bounces@ietf.org  
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Content-Transfer-Encoding: 7bit

On behalf of the authors of

"Uniform Resource Identifier (URI): Generic Syntax"

I hereby request that an IESG last call be issued for "draft-fielding-uri-rfc2396bis-06.txt", to be published as an Internet Standard, obsoleting RFCs 2396, 1808, and 2732, and updating RFC 1738.

Although not associated with a current working group, the draft has been developed under the usual procedures of an IETF working group on the public mailing list of the former URI working group. A list of issues that have been addressed by this draft can be found at

<http://gbiv.com/protocols/uri/rev-2002/issues.html>

The mailing list archive is available at

<http://lists.w3.org/Archives/Public/uri/>

with work on this revision beginning in July 2002. The draft has been edited in XML using the xml2rfc toolset. The XML version of the document can be found at

<http://gbiv.com/protocols/uri/rev-2002/rfc2396bis.xml>

Larry Masinter and I will be in attendance at the San Diego IETF this coming week and will be happy to answer any questions about the draft. A BOF (urirev04) has been scheduled for Friday morning.

Cheers,

Roy T. Fielding  
Chief Scientist, Day Software

<<http://roy.gbiv.com/>>  
<<http://www.day.com/>>

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id KAA07678  
for <iesg-archive@lists.ietf.org>; Thu, 2 Sep 2004 10:31:12 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1]

helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1C2sPM-0004an-Ff; Thu, 02 Sep 2004 10:17:48 -0400  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1C2sDv-0006SV-Fc  
for iesg@megatron.ietf.org; Thu, 02 Sep 2004 10:05:59 -0400  
Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id KAA04780  
for <iesg@ietf.org>; Thu, 2 Sep 2004 10:05:53 -0400 (EDT)  
Message-Id: <200409021405.KAA04780@ietf.org>  
Received: from psg.com ([147.28.0.62] ident=mailnull)  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1C2sGF-0006jk-JJ  
for iesg@ietf.org; Thu, 02 Sep 2004 10:08:25 -0400  
Received: from localhost ([127.0.0.1] helo=psg.com)  
by psg.com with esmtp (Exim 4.41 (FreeBSD))  
id 1C2sDo-000CEs-Ur; Thu, 02 Sep 2004 14:05:52 +0000  
To: David Kessens <david.kessens@nokia.com>  
In-reply-to: Your message of Wed, 01 Sep 2004 22:34:18 -0700.  
<20040902053418.GB28751@nokia.com>  
Date: Thu, 02 Sep 2004 07:05:52 -0700  
From: Allison Mankin <mankin@psg.com>  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: 2409bba43e9c8d580670fda8b695204a  
Cc: iesg@ietf.org  
Subject: your DISCUSS on draft-ietf-enum-webft-01.txt  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
Reply-To: mankin@psg.com  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

David,

You put a Discuss on draft-ietf-enum-webft-01.txt because it referred to ftp: as only a mechanism for retrieval of files. This is obviously a shorthand on the part of the authors, just as http: may be mis-stated to be just a resource for fetching pages. (Harald's Comment shows how the authors have implied this, but

not gotten all the way in trouble on this, on http).

Can you resolve your Discuss with the following RFC Editor Note?

OLD:

This ENUMservice indicates that the resource identified by the associated URI scheme is a file service from which a file or file listing can be retrieved."

NEW:

This enumservice indicates that the resource identified by the associated URI scheme is a service usable in the manner specified for ftp: in RFC 1738, for instance, file retrieval.

[Add a normative reference to RFC 1738].

Allison

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA02203  
for <iesg-archive@lists.ietf.org>; Wed, 17 Nov 2004 18:33:50 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1CUZ50-0002Ej-BP; Wed, 17 Nov 2004 18:19:38 -0500  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1CUIW3-0004NT-FX  
for iesg@megatron.ietf.org; Wed, 17 Nov 2004 18:09:59 -0500

Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA29939;  
Wed, 17 Nov 2004 18:09:56 -0500 (EST)

Message-Id: <200411172309.SAA29939@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org

Date: Wed, 17 Nov 2004 18:09:56 -0500

Cc: bfuller@foretec.com, amyk@foretec.com

Subject: FINAL Agenda and Package for November 18, 2004 Telechat

X-BeenThere: iesg@ietf.org

X-Mailman-Version: 2.1.5

Precedence: list

List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the November 18, 2004 IESG Teleconference

This agenda was generated at 17:43:51 EDT, November 17, 2004

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-enum-epp-e164-07.txt  
E.164 Number Mapping for the Extensible Provisioning Protocol  
(Proposed Standard) - 1 of 2  
Token: Allison Mankin
- o draft-ietf-l3vpn-gre-ip-2547-03.txt  
Use of PE-PE GRE or IP in BGP/MPLS IP VPNs (Proposed Standard) - 2 of 2  
Note: 2004-10-21: Ready for IESG review.  
Token: Thomas Narten

2.1.2 Returning Item

NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-housley-contentcollection-03.txt

Protecting Multiple Contents with the Cryptographic Message Syntax (CMS)

(Proposed Standard) - 1 of 2

Token: Sam Hartman

- o draft-ietf-ipsec-ciph-aes-gcm-00.txt

The Use of Galois/Counter Mode (GCM) in IPsec ESP (Proposed Standard) - 2 of 2

Token: Russ Housley

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-pkix-certpathbuild-04.txt

Internet X.509 Public Key Infrastructure: Certification Path Building

(Informational) - 1 of 2

Token: Russ Housley

- o draft-ietf-dnsop-ipv6-dns-configuration-04.txt

IPv6 Host Configuration of DNS Server Information Approaches

(Informational) - 2 of 2

Token: David Kessens

#### 3.1.2 Returning Item

NONE

## 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If

not, what changes would make it so?"

### 3.2.1 New Item

- o draft-park-seed-01.txt

The SEED Encryption Algorithm (Informational) - 1 of 1

Token: Russ Housley

### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for Approval

- o Sieve Mail Filtering Language (sieve) - 1 of 1

Token: Scott Hollenbeck

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

- o Open Pluggable Edge Services (opes) - 1 of 1

Token: Ted Hardie

## 5. Agenda Working Group News

## 6. IAB News We can use

## 7. Management Issue

### 7.1 IANA Expert for IKEv2 (Russ Housley)

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the November 18, 2004 IESG Teleconference

This package was generated at 17:43:51 EDT, November 17, 2004.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, November 18, 2004 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Harald Alvestrand---Will call in  
Rob Austein---Will call in  
Steve Conte---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Aaron Falk---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Regrets  
David Kessens---Will call in  
Allison Mankin---Will call in

Thomas Narten--- Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Dinara Suleymanova--- Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

ARGENTINA---0800-666-0617  
AUSTRALIA---1800-00-6528  
AUSTRIA---0800291184  
BAHAMAS---18003890377  
BELGIUM---080070188  
CHINA---10800-1400664  
DENMARK---80880893  
DOMINICAN REPUBLIC---18887514614  
FINLAND---08001-15257

FRANCE---0800-90-8816  
GERMANY---0800-181-3745  
GREECE---0080016122032153  
HONG KONG---800-96-6252  
HUNGARY---06-800-16067  
ICELAND---8008227  
INDONESIA---008800105574  
IRELAND---1800504081  
ISRAEL---18009300182  
ITALY---800785974  
JAPAN---00531-16-0368  
KOREA (SOUTH)---00308140476  
LUXEMBOURG---80024290  
MEXICO---001-800-514-1216  
NETHERLANDS---08000223529  
NEW ZEALAND---0800442168  
NORWAY---800-15-944  
POLAND---008001114628  
PORTUGAL---800819347  
RUSSIAN FEDERATION--- 81080023441012  
SAINT KITTS AND NEVIS---18007449302  
SINGAPORE---8001011359  
SOUTH AFRICA---0800994903  
SPAIN---900981550  
SWEDEN---020-0285734  
SWITZERLAND---0800563891  
THAILAND---0018001562039121  
UNITED KINGDOM---0800-917-5761

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

### 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the October 28, 2004 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

ATTENDEES

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Harald Alvestrand / Cisco  
Rob Austein / ISC (IAB Liaison)  
Steve Bellovin / AT&T  
Steve Conte / ICANN (IANA)  
Michelle Cotton / ICANN (IANA)  
Leslie Daigle / Verisign (IAB)  
Aaron Falk / ISI (RFC Editor)  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Thomas Narten / IBM  
Jon Peterson / NeuStar, Inc.  
Dinara Suleymanova / IETF Secretariat  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / ThingMagic  
Bert Wijnen / Lucent  
Alex Zinin / Alcatel

#### REGRETS

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Scott Hollenbeck / VeriSign  
Joyce K. Reynolds / ISI (RFC Editor)

#### MINUTES

-----

##### 1. Administrivia

###### 1.1 Approval of the Minutes

The minutes of the October 14, 2004 Teleconference were approved. The Secretariat will place the minutes in the public archives.

###### 1.2 Documents Approved Since the October 14, 2004 IESG Teleconference

###### 1.2.1 Protocol Actions

- o draft-ietf-sigtran-dua-08.txt (Proposed Standard)
- o draft-ietf-l3vpn-rfc2547bis-03.txt (Proposed Standard)
- o draft-ietf-mpls-rsvp-lsp-fastreroute-07.txt (Proposed Standard)
- o draft-ietf-krb-wg-kerberos-clarifications-07.txt (Proposed Standard)
- o draft-reyes-policy-core-ext-schema-07.txt (Proposed Standard)

### 1.2.2 Document Actions

- o draft-ietf-mipshop-fast-mipv6-03.txt (Experimental RFC)
- o draft-ietf-pana-requirements-09.txt (Informational RFC)
- o draft-ietf-l3vpn-as2547-07.txt (Informational RFC)

### 1.3 Review of Action Items

DONE:

NONE

DELETED:

NONE

IN PROGRESS:

- o Bill Fenner to determine with WG chairs whether a liaison with OIF is desirable, and will inform the IAB of the decision.
- o Applications ADs to evaluate the situation with regards to MIME type review, and see how we can ensure the review turnaround times specified in the MIME registration procedures.
- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.
- o Allison Mankin will encourage Dave Meyer to go forward with his I-D on IETF minutes, and will suggest some IESG points for it.
- o Harald Alvestrand to suggest modified text for the standard "no problem" message to the RFC Editor that includes a pointer to the comments in the I-D Tracker.

NEW:

NONE

### 1.4 Review of Projects

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-ediint-as2-17.txt - 1 of 10  
MIME-based Secure Peer-to-Peer Business Data Interchange over the Internet

Using HTTP (Proposed Standard)

Token: Scott Hollenbeck

The document remains under discussion by the IESG in order to resolve points raised by Steve Bellovin, Ted Hardie, and Russ Housley.\*

o draft-ietf-l3vpn-gre-ip-2547-03.txt - 2 of 10

Use of PE-PE GRE or IP in BGP/MPLS IP VPNs (Proposed Standard)

Token: Thomas Narten

The document was deferred to the next IESG Teleconference (11/18/2004) by Allison Mankin.

o draft-ietf-aaa-eap-09.txt - 3 of 10

Diameter Extensible Authentication Protocol (EAP) Application (Proposed Standard)

Token: Bert Wijnen

The document was approved by the IESG pending an RFC Editor Note to be prepared by Bert Wijnen. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-ccamp-lmp-mib-10.txt - 4 of 10

Link Management Protocol Management Information Base (Proposed Standard)

Token: Bert Wijnen

The document was approved by the IESG pending an RFC Editor Note to be prepared by Bert Wijnen. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-sip-rfc3312-update-03.txt - 5 of 10

Update to the Session Initiation Protocol (SIP) Preconditions Framework (Proposed Standard)

Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-ssm-arch-06.txt - 6 of 10

Source-Specific Multicast for IP (Proposed Standard)

Token: Alex Zinin

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand, Russ Housley, and Bill Fenner on behalf of IANA.\*

o draft-ietf-ipv6-inet-tunnel-mib-03.txt - 7 of 10  
IP Tunnel MIB (Proposed Standard)  
Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Bert Wijnen on behalf of IANA.\*

o draft-ietf-ipv6-rfc2013-update-04.txt - 8 of 10  
Management Information Base for the User Datagram Protocol (UDP)  
(Proposed Standard)  
Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Bert Wijnen on behalf of IANA.\*

o draft-ietf-mip4-experimental-messages-02.txt - 9 of 10  
Experimental Message, Extension and Error Codes for Mobile IPv4  
(Proposed Standard)  
Token: Thomas Narten

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action announcement.

o draft-ietf-dhc-rapid-commit-opt-05.txt - 10 of 10  
Rapid Commit Option for DHCPv4 (Proposed Standard)  
Token: Margaret Wasserman

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action announcement.

### 2.1.2 Returning Item

NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

o draft-duerst-iri-10.txt - 1 of 4

## Internationalized Resource Identifiers (IRIs) (Proposed Standard)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley and Margaret Wasserman.\*

o draft-black-snmplib-08.txt - 2 of 4

Uniform Resource Identifier (URI) Scheme for the Simple Network Management

Protocol (SNMP) (Proposed Standard)

Token: Bert Wijnen

The document remains under discussion by the IESG in order to resolve points raised by Steve Bellovin.\*

o draft-klensin-ip-service-terms-04.txt - 3 of 4

Terminology for Describing Internet Connectivity (BCP)

Token: David Kessens

The document was approved by the IESG. The Secretariat will send an individual submission Protocol Action Announcement.

o draft-ietf-ipsec-ciph-aes-gcm-00.txt - 4 of 4

The Use of Galois/Counter Mode (GCM) in IPsec ESP (Proposed Standard)

Token: Russ Housley

The document was deferred to the next IESG Teleconference (11/18/2004) by Steve Bellovin.

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-l2tpext-mcast-05.txt - 1 of 5

Extensions to support efficient carrying of multicast traffic in Layer-2 Tunneling Protocol (L2TP) (Experimental)

Token: Thomas Narten

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

o draft-ietf-ccamp-gmpls-ason-routing-reqts-05.txt - 2 of 5  
Requirements for Generalized MPLS (GMPLS) Routing for Automatically  
Switched  
Optical Network (ASON) (Informational)  
Token: Alex Zinin

The document remains under discussion by the IESG in order to resolve  
points raised by Bill Fenner.\*

o draft-ietf-ccamp-gmpls-ason-reqts-07.txt - 3 of 5  
Requirements for Generalized MPLS (GMPLS) Signaling Usage and Extensions  
for  
Automatically Switched Optical Network (ASON) (Informational)  
Token: Alex Zinin

The document remains under discussion by the IESG in order to resolve  
points raised by Bill Fenner.\*

o draft-ietf-sipping-transc-3pcc-02.txt - 4 of 5  
Transcoding Services Invocation in the Session Initiation Protocol (SIP)  
Using Third Party Call Control (3pcc) (Informational)  
Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve  
points raised by Russ Housley.\*

o draft-ietf-geopriv-pres-02.txt - 5 of 5  
A Presence Architecture for the Distribution of GEOPRIV Location Objects  
(Informational)  
Token: Ted Hardie

The document was approved by the IESG. The Secretariat will send a  
working  
group submission Document Action Announcement.

### 3.1.2 Returning Item

NONE

## 3.2 Individual Submissions Via AD

### 3.2.1 New Item

o draft-allen-fitsmime-00.txt - 1 of 3  
MIME Sub-type Registrations for FITS (Informational)  
Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send an individual submission Document Action Announcement.

- o draft-carpenter-obsolete-1888-01.txt - 2 of 3

RFC 1888 is obsolete (Informational)  
Token: Margaret Wasserman

The document was approved by the IESG. The Secretariat will send an individual submission Document Action Announcement.

- o draft-housley-binarytime-02.txt - 3 of 3

BinaryTime: An alternate format for representing date and time in ASN.1 (Experimental)  
Token: Steve Bellovin

The document was approved by the IESG. The Secretariat will send an individual submission Document Action Announcement.

### 3.2.2 Returning Item

- o draft-royer-calsch-cap-01.txt - 1 of 1

Calendar Access Protocol (CAP) (Experimental)  
Token: Ted Hardie

The document was approved by the IESG pending an RFC Editor Note to be prepared by Ted Hardie. The Secretariat will send an individual submission Document Action Announcement that includes the RFC Editor Note.

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Sieve Mail Filtering Language (sieve) - 1 of 1

Token: Scott Hollenbeck

The IESG approved the draft WG charter for IETF review. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for

the next IESG Teleconference (11/18/2004).

#### 4.1.2 Proposed for Approval

o Kitten (kitten) - 1 of 1

Token: Russ Housley

The IESG approved the charter for the new working group pending the addition of the name of the working group chair to be provided by Russ Housley. The Secretariat will send a WG Action announcement.

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

o Control And Provisioning of Wireless Access Points (capwap) - 1 of 2

Token: Bert Wijnen

The IESG approved the revised charter for the working group.  
The Secretariat will send a WG Action: RECHARTER announcement.

o Open Pluggable Edge Services (opes) - 2 of 2

Token: Ted Hardie

The IESG postpone the discussion of the recharter of OPES until the next IESG Teleconference (11/18/2004).

#### 5. Working Group News We Can Use

#### 6. IAB News We Can Use

#### 7. Management Issues

##### 7.1 MIME type registration requests (Scott Hollenbeck)

The management issue was discussed. The MIME type registrations were approved by the IESG.

##### 7.2 What to do next with ipv6 DNS discovery (David Kessens)

The management issue was discussed.

##### 7.3 Trademark Policy in RFCs (Steve Bellovin)

The management issue was discussed. The IESG decided to refer the question of "how to cite trademarks" to the IPR working group.

#### 7.4 RFC Editor needs clarification for draft-daigle-snaptr-01.txt (Aaron Falk)

The management issue was discussed. The IESG had no objections to removing the paragraph under discussion.

#### 7.5 PROTO Team Next Steps (Margaret Wasserman and Allison Mankin)

The management issue was discussed. Margaret Wasserman and Allison Mankin will circulate the PROTO document to the ADs for review. Harald Alvestrand will add PROTO to the Sunday morning agenda in D.C.

#### 7.6 IETF DC Meeting Sunday Morning Agenda (Harald Alvestrand)

The management issue was discussed.

### 1. Administrivia

#### 1.4 Review of Action Items

##### OUTSTANDING TASKS

Last updated: October 18, 2004

IP o Bill Fenner to determine with WG chairs whether a liaison with OIF is

desirable, and will inform the IAB of the decision.

IP o Applications ADs to evaluate the situation with regards to MIME type

review, and see how we can ensure the review turnaround times specified

in the MIME registration procedures.

IP o Allison Mankin and Thomas Narten to compose a message for the IESG and

IAB related to 3GPP's Release 6 publication deadline and expedited documents.

IP o Allison Manikin will encourage Dave Mayer to go forward with his I-D on

IETF minutes, and will suggest some IESG points for it.

IP o Harald Alvestrand to suggest modified text for the standard "no problem"

message to the RFC Editor that includes a pointer to the comments in

the I-D Tracker.

## 1. Administrivia

### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 2

o draft-ietf-enum-epp-e164-07.txt

E.164 Number Mapping for the Extensible Provisioning Protocol  
(Proposed  
Standard)  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-enum-epp-e164-07.txt to Proposed  
Standard

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Evaluation for draft-ietf-enum-epp-e164-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8650&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8650&rft_flag=0)

Last Call to expire on: 2004-11-17

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ R ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]

Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment:

Currently, Section 3.1.2 contains this text:

In addition, the EPP <extension> element MUST contain a child <e164:infData> element that identifies the extension namespace and the location of the extension schema.

Those not very familiar with 3730 might assume that this means that <extension> has now been re-defined so that <e164:infData> is now require. I'd suggest rephrasing this so that it is clearer that this extensions requires <e164:infData>. Possibly:

In addition, servers using this extension MUST return an <extension> element containing an <e164:infData> child element that identifies the extension namespace and the location of the extension schema.

There are similar phrases in the command sections, and it might be useful to consider re-phrasing them as well.

I think these changes could be made in AUTH48, if the author decides they are worth making.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

enum mailing list <enum@ietf.org>, enum chair <paf@cisco.com>, enum

chair

<panic@paf.se>, enum chair <rich.shockey@neustar.biz>

Subject: Protocol Action: 'E.164 Number Mapping for the Extensible Provisioning Protocol' to Proposed Standard

The IESG has approved the following document:

- 'E.164 Number Mapping for the Extensible Provisioning Protocol ' <draft-ietf-enum-epp-e164-07.txt> as a Proposed Standard

This document is the product of the Telephone Number Mapping Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

ENUM (RFC 3761) describes how the Domain Name System (DNS) can be used to identify services associated with an E.164 number. The EPP (RFC

3730) mapping described in this document specifies a mechanism for the provisioning and management of E.164 numbers stored in a shared central

repository. Information exchanged via this mapping can be extracted from the repository and used to publish DNS resource records as described in ENUM. Examples used in this document were chosen specifically to illustrate provisioning concepts for the example resource records described in the ENUM specification.

#### Working Group Summary

The working group strongly supported this work. At the time of development,

there was no longer a working group for EPP, but the principle of extensions

for EPP has been for them to be developed in their subject working groups.

There was one Last Call comment with a concern about a capability, but this

concern was well addressed by discussion on the IETF mailing list, and the

commenter withdrew the concern.

#### Protocol Quality

The document was reviewed for the IESG by Allison Mankin. This specification

has been prototyped.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 2

- o draft-ietf-l3vpn-gre-ip-2547-03.txt  
Use of PE-PE GRE or IP in BGP/MPLS IP VPNs (Proposed Standard)  
Note: 2004-10-21: Ready for IESG review.  
Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-l3vpn-gre-ip-2547-03.txt to Proposed Standard

-----

Evaluation for draft-ietf-l3vpn-gre-ip-2547-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7533&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7533&rft_flag=0)

Last Call to expire on: 2004-09-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ X ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ X ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
David Kessens	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ X ]	[ ]	[ ]	[ ]

Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

Steve Bellovin	[ ]	[ X ]	[ . ]	[ ]
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2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

Comment:

I am abstaining because I can't figure out whether this is something with "no more danger than what people ordinarily do" or something that exposes users to a significant additional risk.

Reviewed by Mary Barnes, Gen-ART

Her review:

Overall, from an editorial perspective, this document appears ready for publication. However, although I'm not an SME in this area, I too share some of the concerns and comments raised around the security issues and the limited applicability (single SP). I would think publishing this as Informational/BCP as to how one could do this sort of functionality if it were deemed useful in this restrictive situation would be better than publishing as Proposed Standard.

Ted Hardie:

Comment:

This text in section 6:

The filtering described in the previous paragraph works only within a single SP network. It is not clear whether (and how) this filtering could be extended to support multiple SP networks. That makes the scheme described in this document fairly problematic in the multi-

provider environment. makes me wonder at the overall utility of this.

causes me to abstain from this document. I am generally concerned with the over-dependence on tunnels and overlay networks, and this restriction just convinces me the utility of this is too small.

Russ Housley:

Discuss:

I agreed to pick up Steve Bellovin's DISCUSS. He said:

This spec scares me. Section 6 more or less says "if you don't get this right you're risking all sorts of trouble, and it's very hard to get this right."

Not only must all inputs to the provider network filter out all packets with such source addresses, the MPLS label inside a packet must correspond to the source address of that packet. Otherwise, anyone can spoof anyone else.

David Kessens:

Comment:

From Pekka Savola, OPS directorate:

I share Steve's concerns (in the tracker).

FWIW, I tried to get some better text in draft-ietf-mpls-in-ip-or-gre-08.txt (which is used as a building block here) which would have somewhat mitigated the problems (so that packet injection would have been impossible inside single-provider networks), but in the end I was overrun.

(I think that spec needed better discussion of source/destination address spoofing concerns, and I'd have wanted to require that the decapsulators check that the source address of the tunnel packet is coming from a valid peer (=source address), not just anyone at all.)

Allison Mankin:

Comment:

Why is this on the agenda as a new document 11/18 when we considered it before

DC? (Secretariat query)

Alex Zinin:

Comment:

> 4. Motivations

...

> In this procedure, the ingress and egress PE routers themselves MUST  
> support MPLS, but that is not an issue, as those routers MUST  
> necessarily have BGP/MPLS IP VPN support, whereas the transit  
routers  
> arguably should be able to be "vanilla" routers with no special MPLS  
> or VPN support.

The two upper-case MUSTs above don't seem to be normative and should be lower-cased.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
l3vpn mailing list <l3vpn@ietf.org>, l3vpn chair  
<rick@rhwilder.net>, l3vpn

chair <rcallon@juniper.net>, l3vpn chair <rbonica@juniper.net>  
Subject: Protocol Action: 'Use of PE-PE GRE or IP in BGP/MPLS IP VPNs'  
to Proposed Standard

The IESG has approved the following document:

- 'Use of PE-PE GRE or IP in BGP/MPLS IP VPNs '  
<draft-ietf-l3vpn-gre-ip-2547-03.txt> as a Proposed Standard

This document is the product of the Layer 3 Virtual Private Networks  
Working  
Group.

The IESG contact persons are Thomas Narten and Margaret Wasserman.

Technical Summary

This document describes a variation of BGP/MPLS IP Virtual Private

Networks (VPNs) in which the outermost MPLS label of a VPN packet (the tunnel label) is replaced with either IP or a Generic Routing Encapsulation (GRE). This enables the VPN packets to be carried over non-MPLS networks.

#### Working Group Summary

There was consensus in the WG for this document.

#### Protocol Quality

This document has been reviewed for the IESG by Thomas Narten.

#### 2.1.2 Returning Item

NONE

#### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

#### 2.2 Individual Submissions

##### 2.2.1 New Item - 1 of 2

- o draft-housley-contentcollection-03.txt

Protecting Multiple Contents with the Cryptographic Message Syntax (CMS)

(Proposed Standard)

Token: Sam Hartman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-housley-contentcollection-03.txt to Proposed Standard

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Evaluation for draft-housley-contentcollection-03.txt can be found at <https://datatracker.ietf.org/cgi-bin/idtracker.cgi?>

command=view\_id&dTag=11915&rfc\_flag=0

Last Call to expire on: 2004-11-08

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ X ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ R ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

Comment:

Reviewed by Michael Patton, Gen-ART

Review has been sent to the author, who promised to address the readability issues raised; there were no real technical issues found.

Ted Hardie:

Comment:

The document currently says:

The content collection content type is used to transfer one or more contents, each identified by a content type. The syntax accommodates contents with varying levels of protection. For example, a content collection could include CMS protection content types as well as unprotected content types. A content collection is expected to be encapsulated in one or more CMS protecting content types, but this is not required by this specification.

This strikes me as something that might need to be called out again in the Security considerations section, as implementations may be expecting a single level of protection for non-MIME multipart contents.

Bert Wijnen:

Comment:

- first line 2nd para sect 1.2:  
s/collector that wants/collector who wants/ ?  
s/In stead/Instead/ ??
- Last sentence on page 5: s/stricture/structure/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Protecting Multiple Contents with the  
Cryptographic Message Syntax (CMS)' to Proposed Standard

The IESG has approved the following document:

- 'Protecting Multiple Contents with the Cryptographic Message Syntax (CMS) '  
<draft-housley-contentcollection-03.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Sam Hartman.

#### Technical Summary

This protocol allows more than one object to be protected in one CMS object.

While not an issue for email, where MIME and provide the necessary structure, other uses of CMS do not provide the same sort of facility. This fills that

void.

## Protocol Quality

Steve Bellovin reviewed the document for the IESG.

RFC Editor note:

Section 1, old text:

This document describes a convention for using the Cryptographic Message Syntax (CMS) [CMS] to more than one content.

new text:

This document describes a convention for using the Cryptographic Message Syntax (CMS) [CMS] to protect more than one content.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 2

- o draft-ietf-ipsec-ciph-aes-gcm-00.txt

The Use of Galois/Counter Mode (GCM) in IPsec ESP (Proposed Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ipsec-ciph-aes-gcm-00.txt to Proposed Standard

-----

Evaluation for draft-ietf-ipsec-ciph-aes-gcm-00.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11754&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11754&rfc_flag=0)

Last Call to expire on: 2004-10-25

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ . ]	[ ]
Bill Fenner	[ ]	[ X ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ X ]	[ ]	[ ]
Allison Mankin	[ ]	[ X ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ . ]	[ ]
Alex Zinin	[ ]	[ X ]	[ ]	[ ]

Steve Bellovin [ ] [ X ] [ ] [ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

Comment:

RFC Editor note clears my DISCUSS.

Reviewed by Mary Barnes, Gen-ART

Her review:

Draft is ready to publish as Proposed Standard with the correction of the following editorial nits.

Nits:

-----

- Needs updating to new template reflecting RFC 3668/3667 (per the updated guidelines).
- Introduction: 1st sentence of 2nd paragraph. "preffered" should be "preferred"

Sam Hartman:

Comment:

Iana claims they have no actions. That's false; this document requires assignment of phase 2 identifiers.  
We should see if they want the IANA actions section clarified.

n

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ipsec mailing list <ipsec@ietf.org>, ipsec chair

<byfraser@cisco.com>,

ipsec chair <tytso@mit.edu>

Subject: Protocol Action: 'The Use of Galois/Counter Mode (GCM) in  
IPsec ESP' to Proposed Standard

The IESG has approved the following document:

- 'The Use of Galois/Counter Mode (GCM) in IPsec ESP '  
<draft-ietf-ipsec-ciph-aes-gcm-00.txt> as a Proposed Standard

This document is the product of the IP Security Protocol Working Group.

The IESG contact persons are Russ Housley and Steve Bellovin.

Technical Summary

This document describes the use of the Advanced Encryption Standard (AES) in Galois/Counter Mode (GCM) as an IPsec Encapsulating Security Payload (ESP) mechanism to provide confidentiality and data origin authentication.

Working Group Summary

The IPsec Working Group reviewed this document, but it is progressing as an Individual submission. All of the comments provided by IPsec Working Group participants were supportive.

## Protocol Quality

This document was reviewed by Russ Housley for the IESG.

## RFC Editor Note

In the first paragraph of section 1, please change "IPSec" to "IPsec" to use the normal spelling.

### OLD:

This document describes the use of AES in GCM mode (AES-GCM) as an IPSec ESP mechanism ...

### NEW:

This document describes the use of AES in GCM mode (AES-GCM) as an IPsec ESP mechanism ...

Replace section 8.3.

### OLD:

For IKE Phase 2 negotiations, IANA has assigned <TBD> as the ESP Transform Identifier for AES-GCM with an eight-byte explicit IV.

### NEW:

For IKE Phase 2 negotiations, IANA has assigned four ESP Transform Identifiers for AES-GCM with an eight-byte explicit IV:

- <TBD1> for AES-GCM with a 4 octet ICV;
- <TBD2> for AES-GCM with an 8 octet ICV;
- <TBD3> for AES-GCM with a 12 octet ICV; and
- <TBD4> for AES-GCM with a 16 octet ICV.

Replace section 12.

### OLD:

Currently, no ESP transform numbers have been assigned for use with

the AES-GCM transform.

NEW:

IANA has assigned four ESP Transform Identifiers for AES-GCM with an eight-byte explicit IV:

- <TBD1> for AES-GCM with a 4 octet ICV;
- <TBD2> for AES-GCM with an 8 octet ICV;
- <TBD3> for AES-GCM with a 12 octet ICV; and
- <TBD4> for AES-GCM with a 16 octet ICV.

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 1 of 2

o draft-ietf-pkix-certpathbuild-04.txt

Internet X.509 Public Key Infrastructure: Certification Path Building

(Informational)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-pkix-certpathbuild-04.txt to Informational RFC

-----

Evaluation for draft-ietf-pkix-certpathbuild-04.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=10675&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10675&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

Comment:

Reviewed by Brian Carpenter, Gen-ART

His review:

Probably no-objection, but I have a couple of queries and nits.

Disclaimer: 74 page draft on a topic where I am an anti-expert. YMMV.

> This document was written to provide guidance and recommendations  
to  
> developers building X.509 public-key certification paths within  
their  
> applications.

Q1: Was there a positive choice \*not\* to make this a BCP, and does that choice imply any doubt about the recommendations?

Q2: I found no mention of the proxy certificate mechanism, already implemented in grids, RFC 3820. Doesn't this affect the way certification paths are built?

Nit 1: no IANA Considerations section

Nit 2: There's a reference to [RFC 2396], which is being updated. But in any case, this reference is not cited in the text, so what is it for? Same for [RFC 1738] - maybe all the informative references should be checked.

Russ Housley:

Discuss:

The Security Considerations fail to discuss an important DOS attack, and

with some simple guidance, it is easily avoided. In an early SSL implementation, the signature was checked before the cert path was checked.

There is no point checking the cert path if the signature is not valid, right? Well, the attacker sent a completely bogus certificate that contained a 16K-bit public key. The server had to be rebooted to stop the signature checking. If the path was checked first, the bogus certificate would have been detected, and the signature checking operation would never have started. We have the same situation here. Signature checking needs to follow cert path construction. Then, it needs to proceed from the trust anchor to the target cert. This will prevent this same attack via a bogus intermediate cert.

Bert Wijnen:

Comment:

RFC-Editor gave me a tool with which they check references.  
It found:

!! Missing Reference for citation: [PCA]

P012 L028: with one CA (known as a "principal" CA [PCA]) in each participating

!! Missing citation for Informative reference:

P073 L007: [MINHPKIS] Hesse, P., Lemire, D., "Managing Interoperability

!! Missing citation for Informative reference:

P073 L052: [PKIXALGS] Bassham, L., Polk, W. and R. Housley,  
"Algorithms  
and

!! Missing citation for Informative reference:

P073 L044: [X.501] ITU-T Recommendation X.501: Information  
Technology -

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

pkix mailing list <ietf-pkix@imc.org>, pkix chair <kent@bbn.com>,  
pkix

chair <wpolk@nist.gov>

Subject: Document Action: 'Internet X.509 Public Key Infrastructure:  
Certification Path Building' to Informational RFC

The IESG has approved the following document:

- 'Internet X.509 Public Key Infrastructure: Certification Path Building  
,

<draft-ietf-pkix-certpathbuild-04.txt> as an Informational RFC

This document is the product of the Public-Key Infrastructure (X.509)  
Working  
Group.

The IESG contact persons are Russ Housley and Steve Bellovin.

#### Technical Summary

This document provides guidance and recommendations to developers who need to build X.509 public-key certification paths within their applications. By following the guidance and recommendations defined in this document, an application developer is more likely to develop a robust X.509 certificate-enabled application that can build valid certification paths in a wide range of PKI environments.

#### Working Group Summary

The PKIX Working Group reached consensus on this document.

## Protocol Quality

This document was reviewed by Russ Housley for the IESG.

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 2 of 2

- o draft-ietf-dnsop-ipv6-dns-configuration-04.txt  
IPv6 Host Configuration of DNS Server Information Approaches  
(Informational)  
Token: David Kessens

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-dnsop-ipv6-dns-configuration-04.txt to  
Informational RFC

-----

Evaluation for draft-ietf-dnsop-ipv6-dns-configuration-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11860&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11860&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ X ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]

Ted Hardie	[ ]	[ ]	[ X ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
David Kessens	[ X ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

Steve Bellovin	[ ]	[ X ]	[ ]	[ ]
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2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

#### Discuss:

I think this document should have pointers to various other docs describing work we have done with anycast addresses. An IESG note may be appropriate; I've suggested one on the IESG list.

#### Comment:

A number of sentences are missing a "the" according to my sense of English, but are nonetheless clear.

I found the explanation of the anycast option difficult to follow.

Reviewed by Joel Halpern, Gen-ART.

His review:

This draft is basically ready for publication as an Informational RFC, but has nits that should be fixed before publication. There is one item that I think needs clarification before publication.

Specifically, I found one aspect of this document confusing. In discussing the use of well known anycast addresses for the recursive DNS server,

several things are stated. One is that the Host can be pre-configured, possibly by the factory, with the suitable address. The other is that multiple servers may have distinct anycast addresses.

"Redundancy by multiple RDNSes is better provided by multiple servers having different anycast addresses than multiple servers sharing same anycast address...

I do not follow how the host can be pre-configured with the anycast address when there different anycast addresses in use. Can this really be describes as "a well known anycast address"?

Ted Hardie:

Discuss:

I think the section on the anycast approach needs extensive work. As it stands now, the document says that they don't mean RFC 1546 or RFC 3513 versions of anycast, but doesn't quite ever come out and say what it does mean. It comes close with:

The approach with well-known anycast addresses is to set well-known anycast addresses in clients' resolver configuration files from the beginning, say, as factory default. Thus, there is no transport mechanism and no packet format [9].

An anycast address is an address shared by multiple servers (in this case, the servers are RDNSes). Request from a client to the anycast address is routed to a server selected by the routing system. However, it is a bad idea to mandate "site" boundary on anycast addresses, because most users just do not have their own servers and want to access their ISPs' across their site boundaries. Larger sites may also depend on their ISPs or may have their own RDNSes within "site" boundaries.

This looks an awful like what was described in RFC 3258 without any of the caveats related to routing system changes or finding the administrative entity responsible. More importantly, though, it presumes that a well-known address burned into non-volatile memory is not going to turn into the NTP problem we just said was harmful; what makes the author so sure? If this isn't something

required to be provided by the "site", then it becomes something where one site's users could DoS another's--accidentally or on purpose. To fix that, you would actually have to filter traffic to this address from non-customer peers, which is not mentioned as one of the costs. It also doesn't acknowledge how easy this makes hijacking or what it would take to make DNSSEC help (it is the authoritative servers that would have to move to DNSSEC to make hijacking of the recursive servers less of a problem)

Sam Hartman:

Comment:

I'd like to echo Steve's comments about dnssec. This document should discuss it in the security considerations section. Also, the text in that section about autoconfiguration is misleading in the far long-term. Configuration of root keys might be acceptable in many environments where configuration of other state would be unacceptable. I realize this is not an option today.

I disagree with Iljitsch van Beijnum that the anycast approach is more secure. It seems that it would suffer from the same sort of on-link attacks as the RA and DHCP approaches.

David Kessens:

Comment:

Comments received from Iljitsch van Beijnum <iljitsch@muada.com> (13 Oct 2004 10:45:15 +0200):

This message is mostly the same as one I posted to the wg list yesterday. See that one for an additional list of smaller nits.

First a side issue.

Under the ND approach there are remarks about multicast difficulties in wireless environments. There is some additional talk about multicast in wireless environments in an appendix, but this discussion doesn't capture the real-world complexities that exist here (and that DHCP also uses multicast but the issue is very different there). The pertinent information has been discussed on the list so including it shouldn't be too hard, or maybe a spin-off informational RFC would be appropriate. Also note that there isn't much of a real-world issue: ARP in IPv4 also

works, while it suffers from the same broadcast/multicast problems as IPv6 neighbor discovery.

More to the point, two very important issues are missing.

The first is that we are living in 2004. If this were 2001, we could simply identify the best approach and standardize it. However, IPv6 is already widely implemented in hosts and deployment is growing. The lack of a recursive resolver configuration mechanism is felt every day. If we select an approach that needs considerable implementation effort, it can be as much as two years before this approach is actually available to users. The worst choice in this regard would be the RA approach. While in itself this is a very good approach, it suffers from the fact that both routers and hosts must support it before it can be used. Implementation cycles vary widely throughout the industry, but it's safe to say that anyone who doesn't use both routers AND hosts with the shortest implementation cycle will have to wait at least until 2006 before an RA approach could conceivably be available.

The DHCP approach has the advantage that it can be implemented on special purpose servers rather than having to be implemented in routers. Some systems use a very simple mechanism to configure recursive resolver addresses, and on those systems it's very easy to add a userland DHCP client daemon that handles this task. However, on widely used systems such as Windows and MacOS X reconfiguring recursive resolvers isn't something that can be easily done by a userland program. Realistically, users will have to wait until Microsoft or Apple bundle support for DHCPv6 in their products. Again, this is likely to take a significant amount of time.

The well-known address approach on the other hand, can be deployed pretty much immediately. The only thing that's needed is for IANA to register a set of addresses and within weeks these addresses would be usable by any IPv6 implementation that supports DNS queries over IPv6 transport.

The second issue is security.

One thing that bothers me about a DHCP-only approach is that it requires networks that have otherwise no interest in DHCPv6 to run DHCPv6 servers and clients. Past experience shows that complex UDP-based protocols are often implemented insecurely. So an approach

that doesn't require additional protocols would be preferable from a security standpoint. (And from management and debugging standpoints as well.)

Both DHCPv6 and RA have an inherent security problem because the host is supposed to trust information that comes in from unknown sources. This makes it very easy for an on-link attacker to present itself as a legitimate DHCP server or router and provide clandestine configuration information. I believe efforts are underway to remedy this situation, but again, it will be some time before most clients will be able to use these new mechanisms in practice. In the mean time having recursive resolver information be available over insecure DHCP or RA means that attackers gain an additional attack vector. (And heavy crypto doesn't exactly go hand in hand with autoconfiguration, it remains to be seen how well this is going to work in practice for nomadic users.)

Last but not least, not about the draft but about the decision that needs to be made: it worries me that this issue hasn't been resolved earlier. I believe one of the main reasons for this is that the DHCP proponents are blocking consensus on the other approaches in order to arrive at the situation where everyone implements DHCP and the issue becomes moot. Note that there are several IPR claims on parts of DHCP that may or may not apply here, adding insult to injury for those who don't want to run DHCP in the first place.

The only way to overcome this abuse of the IETF process is for the IESG to recognize the lack of consensus and decide on the issue itself.

Iljitsch van Beijnum

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

dnsop mailing list <dnsop@lists.uoregon.edu>, dnsop chair  
<dmm@1-4-5.net>,

dnsop chair <sra@hactrn.net>

Subject: Document Action: 'IPv6 Host Configuration of DNS Server

## Information Approaches' to Informational RFC

The IESG has approved the following document:

- 'IPv6 Host Configuration of DNS Server Information Approaches '  
<draft-ietf-dnsop-ipv6-dns-configuration-04.txt> as an Informational RFC

This document is the product of the Domain Name System Operations Working Group.

The IESG contact persons are David Kessens and Bert Wijnen.

### Technical Summary

This document describes three approaches for IPv6 recursive DNS server address configuration. It details the operational attributes of three solutions: RA option, DHCPv6 option, and Well-known anycast addresses for recursive DNS servers. Additionally, it suggests four deployment scenarios considering multi-solution resolution. Therefore, this document will give the audience a guideline for IPv6 DNS configuration to select approaches suitable for their host DNS configuration.

### Working Group Summary

This document was last called by the working group chairs a couple of time.

Each time there were a few people who still had some remaining comments.

Therefore, the consensus can be qualified as a fairly 'rough consensus'.

It should be noted that the document was intended to document in a fair

and open way the different opinions of the different camps and as such there

was no need that everybody needed to agree on every issue brought up in this document.

We proposed to the working group that people who still have issues should

send their comments to the IESG/ADs. I (David Kessens) will add such comments to the tracker so that individual ADs can form their own

opinion.

## Protocol Quality

This document was reviewed by David Kessens for the IESG.  
I have some issues myself with the statements regarding WLAN.  
However, I feel that this document is the best we can get  
considering the circumstances.

### 3.1.2 Returning Item

NONE

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a  
reasonable  
contribution to the area of Internet engineering which it covers?  
If  
not, what changes would make it so?"

#### 3.2.1 New Item - 1 of 1

- o draft-park-seed-01.txt  
The SEED Encryption Algorithm (Informational)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-park-seed-01.txt to Informational RFC

-----

Evaluation for draft-park-seed-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11296&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11296&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ X ]	[ ]	[ ]
Sam Hartman	[ ]	[ X ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ X ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'The SEED Encryption Algorithm' to  
Informational RFC

The IESG has approved the following document:

- 'The SEED Encryption Algorithm '  
<draft-park-seed-01.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

Technical Summary

This document describes the SEED encryption algorithm which has been adopted by most of the security systems in the Republic of Korea. The document includes are a description of the cipher, the key scheduling

algorithm, the S-boxes, and a set of test vectors (Appendix B).

#### Working Group Summary

This is an individual submission. No working group has reviewed it.

#### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

#### 3.2.2 Returning Item

NONE

#### 3.3.1 New Item

NONE

#### 3.3.2 Returning Item

NONE

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

NONE

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Sieve Mail Filtering Language (sieve) - 1 of 1  
Token: Scott Hollenbeck

Sieve Mail Filtering (sieve)

=====

Last Modified: 2004-10-19

Current Status: Proposed Working Group

Chairs: Cyrus Daboo <daboo@isamet.com>

Alexey Melnikov <Alexey.Melnikov@isode.com>

Mailing list: [ietf-mta-filters@imc.org](mailto:ietf-mta-filters@imc.org)

Subscriptions: <mailto:ietf-mta-filters-request@imc.org?body=subscribe>  
List archive: <http://www.imc.org/ietf-mta-filters/mail-archive/>

The sieve mail filtering language specified in RFC 3028 has now been implemented in a wide variety of user agents (UAs), mail delivery agents (MDAs), and mail transfer agents (MTAs). Several extensions have been specified (RFCs 3431, 3598, 3685, 3894) and have also been widely implemented. Several additional sieve extensions have been defined in various internet-drafts.

All of these documents are individual submissions; up to this point work on sieve has been done informally and not under the auspices of any IETF working group.

The sieve working group is being chartered to:

(1) Revise the base sieve specification, RFC 3028, with the intention of moving it to draft standard. Substantive additions or revisions to the base specification are out of scope of this working group. However, the need to loosen current restrictions on side effects of tests as well as the need for a normative reference to the newly-defined comparators registry may necessitate a recycle at proposed.

(2) Produce updated sieve relational (RFC 3431), subaddress (RFC 3598), spamtest/virustest (RFC 3685), and copy (RFC 3894) extension specifications, again with the intention of making a move to draft standard possible. It may be necessary to recycle some or all of these documents at proposed, depending on the scope of any changes.

(3) Finalize and publish the sieve extensions as proposed standards:

- (a) Variables (draft-homme-sieve-variables-04.txt)
- (b) Vacation action (draft-showalter-sieve-vacation-05.txt)

- (c) Message body tests (draft-degener-sieve-body-02.txt)
- (d) Regular expressions (draft-murchison-sieve-regex-07.txt)
- (e) MIME part tests (draft-daboo-sieve-mime-00.txt)
- (f) Notification action (draft-martin-sieve-notify-02.txt)
- (g) IMAP flags (draft-melnikov-sieve-imapflags-06.txt)
- (h) Header editing actions (draft-degener-sieve-editheader-01.txt)
- (i) Reject before delivery (draft-elvey-refuse-sieve-01.txt)

Additional drafts may be added this list, but only via a charter revision. There must also be demonstrable willingness in the sieve development community to actually implement a given extension before it can be added to this charter.

Some aspects of sieve have complex internationalization issues; the working group will seek out internationalization expertise as needed to complete its work.

Goals and milestones:

(Done) Submit revised variables draft.

(Oct 04) Submit revised vacation draft.

(Nov 04) WG last call for variables draft.

(Dec 04) Initial submission of RFC 3028bis.

(Dec 04) WG last call for vacation draft.

(Jan 05) WG last call for RFC 3028bis.

(Jan 05) Initial submission of revised relational draft.

(Jan 05) Initial submission of revised subaddress draft.

(Jan 05) Initial submission of revised spamtest/virustest draft.

(Jan 05) Submit variables draft to IESG.

(Jan 05) Submit vacation draft to IESG.

(Jan 05) Submit revised editheader draft.

(Jan 05) Submit revised imapflags draft.

(Feb 05) Submit RFC 3028bis to IESG.

(Feb 05) WG last call of revised relational draft.

(Feb 05) WG last call of revised subaddress draft.

(Feb 05) WG last call of revised spamtest/virustest draft.

(Feb 05) Submit revised body test draft.

(Feb 05) Submit revised reject before delivery draft.

(Feb 05) WG last call for editheader draft.

(Feb 05) Submit revised relational draft to IESG.

(Feb 05) Submit revised subaddress draft to IESG.

(Feb 05) Submit revised spamtest/virustest draft to IESG.

(Feb 05) WG last call for imapflags draft.

(Mar 05) Submit revised notification action draft.

(Mar 05) WG last call for body test draft.

(Mar 05) WG last call for reject before delivery draft.

(Mar 05) Submit editheader draft to IESG.

(Mar 05) Submit imapflags draft to IESG.

(Apr 05) Submit revised MIME part tests draft.

(Apr 05) WG last call for notification action draft.

(Apr 05) Submit body test draft to IESG.

(Apr 05) Submit revised reject before delivery draft to IESG.

(May 05) Submit notification action draft to IESG.

(May 05) WG last call for MIME part tests draft.

(May 05) Create list of core sieve features; collect implementation information for interoperability report.

(Jun 05) Submit MIME part tests draft to IESG.

(Note that the regex draft is not currently on the goals and milestones

list; there are complex internationalization issues that need to be worked out before the schedule for this document can be determined.)

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.2 Proposed for Approval

- o Open Pluggable Edge Services (opes) - 1 of 1  
Token: Ted Hardie

Open Pluggable Edge Services (opes)

-----

Last Modified 2004-10-07

Current Status: Active Working Group

Chair(s):

Markus Hofmann <hofmann@bell-labs.com>

Tony Hansen <tony@att.com>

Applications Area Director(s):

Ted Hardie <hardie@qualcomm.com>

Scott Hollenbeck <sah@428cobrajnet.net>

Applications Area Advisor:

Ted Hardie <hardie@qualcomm.com>

Technical Advisor(s):

Allison Mankin <mankin@psg.com>

Hilarie Orman <ho@alum.mit.edu>

Mailing Lists:

General Discussion: [ietf-openproxy@imc.org](mailto:ietf-openproxy@imc.org)

To Subscribe: [ietf-openproxy-request@imc.org](mailto:ietf-openproxy-request@imc.org)

Archive: <http://www.imc.org/ietf-openproxy/mail-archive/>

Description of Working Group:

The Internet facilitates the development of networked services at the

application level that both offload origin servers and improve the user experience. Web proxies, for example, are commonly deployed to provide services such as Web caching, virus scanning, and request filtering. Lack of standardized mechanisms to trace and to control such intermediaries causes problems with respect to failure detection, data integrity, privacy, and security.

The OPES Working Group has previously developed an architectural framework to authorize, invoke, and trace such application-level services for HTTP. The framework follows a one-party consent model, which requires that each service be authorized explicitly by at least one of the application-layer endpoints. It further requires that OPES services are reversible by mutual agreement of the application endpoints.

In particular, the WG has developed a protocol suite for invocation and tracking of OPES services inside the net. The protocol suite includes a generic, application-agnostic protocol core (OCP Core) that is supplemented by profiles specific to the application-layer protocol used between the endpoints. So far, the WG has specified an OCP profile for HTTP, which supports OPES services that operate on HTTP messages.

In a next step, the WG will specify one or more OCP profiles that will support OPES services operating on SMTP. In particular, the profile to be specified will enable an SMTP server (the OPES processor) to encapsulate and forward SMTP data and metadata to a callout server for additional processing. Several kinds of agents participate in SMTP exchanges, including MSA, MTA, MDA, and MUA. The first OCP/SMTP profile will address the needs of at least the MTA and/or MDA. More profiles may be needed to address other agent-specific needs, such as for LMTP and/or SUBMIT. The security and privacy concerns of SMTP must be carefully analyzed as part of the definition of the profile.

In addition, the WG will define a rules language to control selection and invocation of services by an OPES processor. This includes a mechanism allowing an OPES processor to perform a runtime check of service parameters, leveraging existing interface description standards like WSDL, if possible, or OPES-specific description otherwise. Defining language(s) for implementing OPES services is out of the WG scope. The rules language will be based on previous work of the WG on a rules language named "P". The WG will have a design goal that the language be compatible with existing policy work within the IETF (e.g. IETF Policy Framework) and be able to interface with systems automating distribution of policies to multiple endpoints. It

will be out of scope for this WG to develop the policy framework and specify multiple-endpoint policy distribution.

The group's new work items can be listed as:

- Develop a document about "Scenarios and Use Cases for OPES Services operating on SMTP".
- Define profile(s) for OCP core that handle SMTP messages or parts thereof.
- Define a rules language to control the selection and invocation of HTTP-based or SMTP-based OPES services.

Each deliverable must follow the previously developed OPES architecture. As each deliverable is developed, it must address the IAB considerations specified in RFC 3238.

Goals and Milestones:

Done Submit OPES scenarios document and architecture document to IESG for Informational.

Done Submit document on protocol (callout and tracing) requirements to IESG for Informational.

Done Submit document on endpoint authorization and enforcement requirements to IESG for Informational.

Done Submit document on threat/risk model for OPES services to IESG for Informational.

Done Initial protocol document for OPES services including their authorization, invocation, tracking, and enforcement of authorization.

Done Initial document on rules specification method.

Done Submit protocol document for OPES services including their authorization, invocation, tracking, and enforcement of authorization to IESG for Proposed Standard.

NOV04 Revised document on OPES rules language.

DEC04 Submit use cases document for OPES services operating on SMTP to IESG for Informational.

FEB04 Initial document on OCP/SMTP profile for MTAs, including mechanisms for tracing and bypass.

APR05 Submit document on OCP/SMTP profile for MTAs, including mechanisms for tracing and bypass, to IESG for Proposed Standard.

JUN05 Submit document(s) on OCP/SMTP profile(s) for those other SMTP agents the WG has decided to work on, if any, to IESG as Proposed Standard(s).

JUL05 Submit document(s) on OPES rules language to

IESG for Proposed Standard.

JUL05 Consider additional OPES work and present new charter to IESG, or conclude working group.

## 5. Working Group News We Can Use

Harald Alvestrand  
Bill Fenner  
Ted Hardie  
Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Thomas Narten  
Jon Peterson  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

## 6. IAB News We Can Use

### 7. Management Issues

#### 7.1 IANA Expert for IKEv2 (Russ Housley)

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id OAA27554  
for <iesg-archive@lists.ietf.org>; Fri, 4 Feb 2005 14:53:57 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1Cx90L-00023y-3k; Fri, 04 Feb 2005 14:45:21 -0500

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1Cx9Ld-0001os-7b  
for iesg@megatron.ietf.org; Fri, 04 Feb 2005 14:42:33 -0500

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id OAA26839

for <iesg@ietf.org>; Fri, 4 Feb 2005 14:42:31 -0500 (EST)  
 Received: from megatron.ietf.org ([132.151.6.71])  
 by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1Cx9eT-0001gr-7q  
 for iesg@ietf.org; Fri, 04 Feb 2005 15:02:01 -0500  
 Received: from apache by megatron.ietf.org with local (Exim 4.32)  
 id 1Cx9LE-0001gg-PE  
 for iesg@ietf.org; Fri, 04 Feb 2005 14:42:08 -0500  
 X-test-idtracker: no  
 To: Internet Engineering Steering Group <iesg@ietf.org>  
 From: IESG Secretary <iesg-secretary@ietf.org>  
 Message-Id: <E1Cx9LE-0001gg-PE@megatron.ietf.org>  
 Date: Fri, 04 Feb 2005 14:42:08 -0500  
 X-Spam-Score: 0.0 (/)  
 X-Scan-Signature: 31247fb3be228bb596db9127becad0bc  
 Subject: Evaluation: draft-hoffman-prospero-uri-03.txt to Historic  
 X-BeenThere: iesg@ietf.org  
 X-Mailman-Version: 2.1.5  
 Precedence: list  
 Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
 List-Id: iesg.ietf.org  
 List-Unsubscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
 <mailto:iesg-request@ietf.org?subject=unsubscribe>  
 List-Post: <mailto:iesg@ietf.org>  
 List-Help: <mailto:iesg-request@ietf.org?subject=help>  
 List-Subscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
 <mailto:iesg-request@ietf.org?subject=subscribe>  
 Sender: iesg-bounces@ietf.org  
 Errors-To: iesg-bounces@ietf.org

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Evaluation for draft-hoffman-prospero-uri-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12232&rfc_flag=0)  
[command=view\\_id&dTag=12232&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12232&rfc_flag=0)

Last Call to expire on: 2005-02-08

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]

David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The prospero URI Scheme' to Historic

The IESG has approved the following document:

- 'The prospero URI Scheme '  
<draft-hoffman-prospero-uri-03.txt> as a Historic

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

The prospero URI scheme was originally defined in RFC 1738. This draft is part of a larger effort to provide scheme definitions for those schemes originally defined in RFC 1738, so that RFC 1738 may be marked obsolete. This scheme is being marked historic at the same time, based on its limited use in the Internet.

#### Working Group Summary

The draft was discussed on the uri mailing list, and both this draft and

the general effort have reasonable community support.

Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id OAA27731  
for <iesg-archive@lists.ietf.org>; Fri, 4 Feb 2005 14:56:15 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1Cx9Wi-0003uE-8h; Fri, 04 Feb 2005 14:54:00 -0500

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1Cx9OW-0002Bb-Rf  
for iesg@megatron.ietf.org; Fri, 04 Feb 2005 14:45:32 -0500

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id OAA27076  
for <iesg@ietf.org>; Fri, 4 Feb 2005 14:45:30 -0500 (EST)

Received: from megatron.ietf.org ([132.151.6.71])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1Cx9hM-0001jw-QP  
for iesg@ietf.org; Fri, 04 Feb 2005 15:05:01 -0500

Received: from apache by megatron.ietf.org with local (Exim 4.32)  
id 1Cx9Mm-0001rq-3f  
for iesg@ietf.org; Fri, 04 Feb 2005 14:43:44 -0500

X-test-idtracker: no  
To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Message-Id: <E1Cx9Mm-0001rq-3f@megatron.ietf.org>  
Date: Fri, 04 Feb 2005 14:43:44 -0500  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: b7b9551d71acde901886cc48bfc088a6  
Subject: Evaluation: draft-hoffman-wais-uri-03.txt to Historic  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

-----

Evaluation for draft-hoffman-wais-uri-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12240&rfc_flag=0)  
[command=view\\_id&dTag=12240&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12240&rfc_flag=0)

Last Call to expire on: 2005-02-08

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The wais URI Scheme' to Historic

The IESG has approved the following document:

- 'The wais URI Scheme '  
    <draft-hoffman-wais-uri-03.txt> as a Historic

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

The wais URI scheme was originally defined in RFC 1738. This draft is part of a

larger effort to provide scheme definitions for those schemes originally defined in RFC 1738,  
so that RFC 1738 may be marked obsolete. This scheme is being marked historic  
at the same time, based on its limited use in the Internet.

Working Group Summary

This document was reviewed by the URI mailing list and it and the general  
effort have reasonable community support.

Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA10265  
for <iesg-archive@lists.ietf.org>; Fri, 4 Feb 2005 16:52:08 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1CxBDc-0001oo-K7; Fri, 04 Feb 2005 16:42:26 -0500

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1CxBAa-0000LK-Pl  
for iesg@megatron.ietf.org; Fri, 04 Feb 2005 16:39:16 -0500

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA09168  
for <iesg@ietf.org>; Fri, 4 Feb 2005 16:39:12 -0500 (EST)

Received: from exprod6ob1.obsmtpt.com ([64.18.1.211] helo=psmtpt.com)  
by ietf-mx.ietf.org with smtp (Exim 4.33) id 1CxBTJ-00051E-PZ  
for iesg@ietf.org; Fri, 04 Feb 2005 16:58:43 -0500

Received: from source ([193.95.148.142]) by exprod6ob1.obsmtpt.com  
([64.18.5.12]) with SMTP; Fri, 04 Feb 2005 13:39:00 PST

Received: from inner-relay-3.corp.adobe.com (inner-relay-3.sea.adobe.com  
[153.32.251.51])  
by outbound-smtp-2.corp.adobe.com (8.12.10/8.12.10) with ESMTP id  
j14Lj0TG026842  
for <iesg@ietf.org>; Fri, 4 Feb 2005 13:45:01 -0800 (PST)

Received: from calsj-dev (calsj-dev.corp.adobe.com [153.32.1.193])  
by inner-relay-3.corp.adobe.com (8.12.9/8.12.9) with ESMTP id  
j14Lcv0v017974  
for <iesg@ietf.org>; Fri, 4 Feb 2005 13:38:57 -0800 (PST)  
Received: from MasinterT40 ([130.248.178.218]) by mailsj-  
v1.corp.adobe.com  
(iPlanet Messaging Server 5.2 HotFix 1.21 (built Sep 8 2003))  
with ESMTP id <0IBE0070PPGWFL@mailsj-v1.corp.adobe.com> for  
iesg@ietf.org; Fri, 04 Feb 2005 13:38:57 -0800 (PST)  
Date: Fri, 04 Feb 2005 13:38:57 -0800  
From: Larry Masinter <LMM@acm.org>  
In-reply-to: <E1CxAhN-0002H4-Dl@megatron.ietf.org>  
To: iesg@ietf.org  
Message-id: <0IBE0070UPGWFL@mailsj-v1.corp.adobe.com>  
MIME-version: 1.0  
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2900.2180  
X-Mailer: Microsoft Office Outlook, Build 11.0.6353  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Thread-index: AcUK/z047l9KA77eTV27U8HCng568QAaiPXg  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: cf4fa59384e76e63313391b70cd0dd25  
Content-Transfer-Encoding: 7BIT  
Subject: RE: Last Call: 'The gopher URI Scheme' to Proposed Standard  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org  
Content-Transfer-Encoding: 7BIT

I think it's a bad idea to issue an RFC merely to obsolete  
a no-longer used protocol element. It's confusing to  
the public and doesn't help anyone.

- > The purpose of
- > this document is to allow RFC 1738 to be made obsolete while keeping
- > the information about the scheme on standards track.

I see no reason to leave 'gopher:' on standards track.  
I was hoping we could get some useful updates to 'ftp:' and  
'file:', but not 'gopher:'.

Larry

--

<http://larry.masinter.net>

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id RAA12048  
for <iesg-archive@lists.ietf.org>; Fri, 4 Feb 2005 17:08:50 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1CxBYw-0007s1-9h; Fri, 04 Feb 2005 17:04:26 -0500

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1CxBUA-0006tS-1d  
for iesg@megatron.ietf.org; Fri, 04 Feb 2005 16:59:30 -0500

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA11330  
for <iesg@ietf.org>; Fri, 4 Feb 2005 16:59:27 -0500 (EST)

Received: from ithilien.qualcomm.com ([129.46.51.59])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1CxBmz-0005Yw-PM  
for iesg@ietf.org; Fri, 04 Feb 2005 17:18:59 -0500

Received: from sabrina.qualcomm.com (sabrina.qualcomm.com  
[129.46.61.150])  
by ithilien.qualcomm.com (8.12.10/8.12.5/1.0) with ESMTP id  
j14LwqeD012178; Fri, 4 Feb 2005 13:58:53 -0800 (PST)

Received: from [129.46.227.161] (carbuncle.qualcomm.com  
[129.46.227.161])  
by sabrina.qualcomm.com (8.12.10/8.12.5/1.0) with ESMTP id  
j14LwmJr017566; Fri, 4 Feb 2005 13:58:50 -0800 (PST)

Mime-Version: 1.0

Message-Id: <p0620070abe299fcb5e8c@[129.46.227.161]>

In-Reply-To: <0IBE0070UPGWFL@mailsj-v1.corp.adobe.com>

References: <0IBE0070UPGWFL@mailsj-v1.corp.adobe.com>

Date: Fri, 4 Feb 2005 13:58:47 -0800

To: Larry Masinter <LMM@acm.org>, iesg@ietf.org

From: Ted Hardie <hardie@qualcomm.com>

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

X-PMX-Version: 4.7.0.111621

X-Spam-Score: 0.0 (/)

X-Scan-Signature: 9466e0365fc95844abaf7c3f15a05c7d  
Subject: RE: Last Call: 'The gopher URI Scheme' to Proposed Standard  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

Hi Larry,

For wais and prospero, the uri mailing list agreed on Historic, but as I understand it folks felt that there were extant/coming implementations that might need the standard for gopher (the Mozilla implementation being relatively recent, for example). Can you review the mailing list discussion, and comment there if you feel this is the wrong designation? I'll follow the discussion and summarize to the IESG (or others can comment directly to the IESG, if they would like).

regards,  
Ted

At 1:38 PM -0800 2/4/05, Larry Masinter wrote:

>I think it's a bad idea to issue an RFC merely to obsolete  
>a no-longer used protocol element. It's confusing to  
>the public and doesn't help anyone.  
>  
>> The purpose of  
>> this document is to allow RFC 1738 to be made obsolete while  
keeping  
>> the information about the scheme on standards track.  
>  
>I see no reason to leave 'gopher:' on standards track.  
>I was hoping we could get some useful updates to 'ftp:' and  
>'file:', but not 'gopher:'.  
>  
>Larry  
>--  
><http://larry.masinter.net>

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id KAA10990  
for <iesg-archive@lists.ietf.org>; Mon, 7 Feb 2005 10:51:33 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1CyB6V-0001p5-L6; Mon, 07 Feb 2005 10:47:11 -0500  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1CyB0v-0000ch-IM  
for iesg@megatron.ietf.org; Mon, 07 Feb 2005 10:41:25 -0500

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id KAA10010  
for <iesg@ietf.org>; Mon, 7 Feb 2005 10:41:22 -0500 (EST)

Received: from ithilien.qualcomm.com ([129.46.51.59])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1CyBKL-0003Dx-8B  
for iesg@ietf.org; Mon, 07 Feb 2005 11:01:29 -0500

Received: from magus.qualcomm.com (magus.qualcomm.com [129.46.61.148])  
by ithilien.qualcomm.com (8.12.10/8.12.5/1.0) with ESMTP id  
j17FeXeD011364; Mon, 7 Feb 2005 07:40:33 -0800 (PST)

Received: from [24.23.128.154] (vpn-10-50-0-101.qualcomm.com  
[10.50.0.101])  
by magus.qualcomm.com (8.12.10/8.12.5/1.0) with ESMTP id  
j17FeTfs008895;  
Mon, 7 Feb 2005 07:40:31 -0800 (PST)

Mime-Version: 1.0

Message-Id: <p06200701be2d3a0af333@[24.23.128.154]>

In-Reply-To: <20050205211911.0BDD13C02A4@berkshire.machshav.com>

References: <20050205211911.0BDD13C02A4@berkshire.machshav.com>

Date: Mon, 7 Feb 2005 07:40:28 -0800

To: "Steven M. Bellovin" <smb@cs.columbia.edu>, iesg@ietf.org

From: Ted Hardie <hardie@qualcomm.com>

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

X-PMX-Version: 4.7.0.111621

X-Spam-Score: 0.0 (/)

X-Scan-Signature: ffa9dfbbe7cc58b3fa6b8ae3e57b0aa3

Subject: Re: Last Call: 'The gopher URI Scheme' to Proposed Standard

X-BeenThere: iesg@ietf.org

X-Mailman-Version: 2.1.5

Precedence: list

List-Id: iesg.ietf.org

List-Unsubscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=unsubscribe>

List-Post: <mailto:iesg@ietf.org>

List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

Hi Steve,  
    Comment below

At 4:19 PM -0500 2/5/05, Steven M. Bellovin wrote:  
>Is it really worth moving gopher to Proposed, or should it just go to  
>Historic? The document itself says:  
>  
>    Historical note: The Gopher protocol was widely implemented in the  
>    early 1990s, but few Gopher servers are in use today

This was discussed on the URI mailing list, and the consensus seemed to be that folks are still writing gopher clients, and the spec was thus useful as a standards track document. Other schemes, including wais and

prospero, were suggested for historic, and have been last called as such.

As you know, there have been many discussions of what the right marker is

for pushing something to historic; some have said ongoing implementation,

others have said ongoing development of the standard, and yet others have said that aging out is appropriate. I'm personally willing to go with the

consensus of the URI mailing list on this, but if there is a strong feeling that this

is the wrong criteria to use for scheme descriptions, then we can probably

move them onto Historic fairly quickly. The important thing seems to actually be getting RFC 1738 out of the mix.

    regards,  
    Ted

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
    by ietf.org (8.9.1a/8.9.1a) with ESMTP id LAA12899  
    for <iesg-archive@lists.ietf.org>; Mon, 7 Feb 2005 11:10:54 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1])

helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1CyB00-0005DS-U8; Mon, 07 Feb 2005 11:05:40 -0500  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1CyBMI-0004p0-82  
for iesg@megatron.ietf.org; Mon, 07 Feb 2005 11:03:30 -0500  
Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id LAA12316  
for <iesg@ietf.org>; Mon, 7 Feb 2005 11:03:27 -0500 (EST)  
Received: from machshav.com ([147.28.0.16])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1CyBfg-0003pW-6w  
for iesg@ietf.org; Mon, 07 Feb 2005 11:23:34 -0500  
Received: by machshav.com (Postfix, from userid 512)  
id CB398FB262; Mon, 7 Feb 2005 16:03:25 +0000 (UTC)  
Received: from berkshire.machshav.com (localhost [127.0.0.1])  
by machshav.com (Postfix) with ESMTP  
id F2646FB246; Mon, 7 Feb 2005 16:03:24 +0000 (UTC)  
Received: from cs.columbia.edu (localhost [127.0.0.1])  
by berkshire.machshav.com (Postfix) with ESMTP id D8E853C024F;  
Mon, 7 Feb 2005 11:03:22 -0500 (EST)  
X-Mailer: exmh version 2.6.3 04/04/2003 with nmh-1.0.4  
From: "Steven M. Bellovin" <smb@cs.columbia.edu>  
To: Ted Hardie <hardie@qualcomm.com>  
In-Reply-To: Your message of "Mon, 07 Feb 2005 07:40:28 PST."  
<p06200701be2d3a0af333@[24.23.128.154]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Date: Mon, 07 Feb 2005 11:03:22 -0500  
Message-Id: <20050207160322.D8E853C024F@berkshire.machshav.com>  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: 39bd8f8cbb76cae18b7e23f7cf6b2b9f  
Cc: iesg@ietf.org  
Subject: Re: Last Call: 'The gopher URI Scheme' to Proposed Standard  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

In message <p06200701be2d3a0af333@[24.23.128.154]>, Ted Hardie writes:

>Hi Steve,

> Comment below

>

>

>At 4:19 PM -0500 2/5/05, Steven M. Bellovin wrote:

>>Is it really worth moving gopher to Proposed, or should it just go to

>>Historic? The document itself says:

>>

>> Historical note: The Gopher protocol was widely implemented in the

>> early 1990s, but few Gopher servers are in use today

>

>This was discussed on the URI mailing list, and the consensus seemed

>to be that folks are still writing gopher clients, and the spec was thus

>useful as a standards track document. Other schemes, including wais and

>prospero, were suggested for historic, and have been last called as such.

>As you know, there have been many discussions of what the right marker is

>for pushing something to historic; some have said ongoing implementation,

>others have said ongoing development of the standard, and yet others

>have said that aging out is appropriate. I'm personally willing to go with th

>e

>consensus of the URI mailing list on this, but if there is a strong

>feeling that this

>is the wrong criteria to use for scheme descriptions, then we can probably

>move them onto Historic fairly quickly. The important thing seems to

>actually be getting RFC 1738 out of the mix.

OK.

Btw, I didn't read the new document enough to notice, but you may want to take a close look at the security considerations section. See p. 45 of <http://www.wilyhacker.com/1e/chap02.pdf> (p. 27 of that file).

--Prof. Steven M. Bellovin, <http://www.cs.columbia.edu/~smb>

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id IAA29570  
for <iesg-archive@lists.ietf.org>; Wed, 9 Feb 2005 08:12:01 -0500  
(EST)  
Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1CyrXk-0001H3-Vy; Wed, 09 Feb 2005 08:06:08 -0500  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1CyaSj-00031v-7X  
for iesg@megatron.ietf.org; Tue, 08 Feb 2005 13:51:49 -0500  
Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id NAA04188  
for <iesg@ietf.org>; Tue, 8 Feb 2005 13:51:48 -0500 (EST)  
Received: from rt.icann.org ([192.0.34.49])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1CyamL-0003J5-PL  
for iesg@ietf.org; Tue, 08 Feb 2005 14:12:08 -0500  
Received: from rt.icann.org (localhost.icann.org [127.0.0.1])  
by rt.icann.org (8.13.1/8.13.1) with ESMTP id j18IpFXS007156;  
Tue, 8 Feb 2005 10:51:15 -0800 (PST) (envelope-from  
www@rt.icann.org)  
Received: (from www@localhost)  
by rt.icann.org (8.13.1/8.13.1/Submit) id j18IpF8m007155;  
Tue, 8 Feb 2005 10:51:15 -0800 (PST) (envelope-from www)  
Date: Tue, 8 Feb 2005 10:51:15 -0800 (PST)  
From: "Michelle Cotton via RT" <iana-drafts@icann.org>  
In-Reply-To: <rt-68@rt.icann.org>  
Message-ID: <rt-3.2.2-68-581-6.10.5451521594732@icann.org>  
Precedence: bulk  
X-RT-Loop-Prevention: rt.icann.org  
RT-Ticket: rt.icann.org #68  
Managed-by: RT 3.2.2 (<http://www.bestpractical.com/rt/>)  
RT-Originator: michelle.cotton@icann.org  
To: iesg@ietf.org  
MIME-Version: 1.0  
Content-Type: text/plain; charset="utf-8"  
X-RT-Original-Encoding: utf-8  
X-Spam-Score: 0.2 (/)  
X-Scan-Signature: f607d15ccc2bc4eaf3ade8ffa8af02a0  
X-Mailman-Approved-At: Wed, 09 Feb 2005 08:06:07 -0500  
Cc: paul.hoffman@vpnc.org  
Subject: [rt.icann.org #68] draft-hoffman-prospiero-uri  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Reply-To: iana-drafts@icann.org

List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

IESG:

The IANA has reviewed the following Internet-Draft which is in Last Call: <[draft-hoffman-prospiero-uri-03.txt](#)>, and has the following comments with regards to the publication of this document:

Upon approval of this document, the IANA should update the reference for the prospero URI scheme in the following registry:  
<<http://www.iana.org/assignments/uri-schemes>>

Should a new section be created for those URI schemes that are considered historic or no longer used? Or, should the reference be the only thing that is updated.

Please let us know.

Thank you.

Michelle Cotton  
(on behalf of IANA)

>  
> -----Original Message-----  
> From: ietf-announce-bounces@ietf.org [<mailto:ietf-announce-bounces@ietf.org>]  
> On Behalf Of The IESG  
> Sent: Tuesday, January 11, 2005 8:23 AM  
> To: IETF-Announce  
> Subject: Last Call: 'The prospero URI Scheme' to Historic  
>  
> The IESG has received a request from an individual submitter to consider the  
>  
> following document:  
>

> - 'The prospero URI Scheme '  
> <draft-hoffman-prospero-uri-03.txt> as a Historic  
>  
> The IESG plans to make a decision in the next few weeks, and solicits  
> final comments on this action. Please send any comments to the  
> iesg@ietf.org or ietf@ietf.org mailing lists by 2005-02-08. Please  
> note that this draft is part of a larger effort to provide scheme  
> definitions for those schemes originally defined in RFC 1738,  
> so that RFC 1738 may be marked obsolete. Discussion of this  
> draft and that project has taken place on the uri@w3.org mailing list.  
>  
> The file can be obtained via  
> <http://www.ietf.org/internet-drafts/draft-hoffman-prospero-uri-03.txt>  
>  
>  
> -----  
> IETF-Announce mailing list  
> IETF-Announce@ietf.org  
> <https://www1.ietf.org/mailman/listinfo/ietf-announce>  
>  
>  
>  
>

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id MAA18546  
for <iesg-archive@lists.ietf.org>; Wed, 9 Feb 2005 12:22:35 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1CyvTX-0007nH-DR; Wed, 09 Feb 2005 12:18:03 -0500

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1CyvGK-0004Vp-GI  
for iesg@megatron.ietf.org; Wed, 09 Feb 2005 12:04:24 -0500

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id MAA17137  
for <iesg@ietf.org>; Wed, 9 Feb 2005 12:04:21 -0500 (EST)

Received: from ithilien.qualcomm.com ([129.46.51.59])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1Cyva8-0003Q7-OV  
for iesg@ietf.org; Wed, 09 Feb 2005 12:24:55 -0500

Received: from crowley.qualcomm.com (crowley.qualcomm.com  
[129.46.61.151])

by ithilien.qualcomm.com (8.12.10/8.12.5/1.0) with ESMTP id  
j19H3geD008555; Wed, 9 Feb 2005 09:03:43 -0800 (PST)  
Received: from [129.46.227.161] (carbuncle.qualcomm.com  
[129.46.227.161])  
by crowley.qualcomm.com (8.12.10/8.12.5/1.0) with ESMTP id  
j19H3dBf018985; Wed, 9 Feb 2005 09:03:40 -0800 (PST)  
Mime-Version: 1.0  
Message-Id: <p06200700be2ff219e0fd@[129.46.227.161]>  
In-Reply-To: <rt-3.2.2-68-581-6.10.5451521594732@icann.org>  
References: <rt-3.2.2-68-581-6.10.5451521594732@icann.org>  
Date: Wed, 9 Feb 2005 09:03:38 -0800  
To: iana-drafts@icann.org, iesg@ietf.org  
From: Ted Hardie <hardie@qualcomm.com>  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"  
X-PMX-Version: 4.7.0.111621  
X-Spam-Score: 0.2 (/)  
X-Scan-Signature: 00e94c813bef7832af255170dca19e36  
Cc: paul.hoffman@vpnc.org  
Subject: Re: [rt.icann.org #68] draft-hoffman-prospiero-uri  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

Hi Michelle,

My personal opinion here is that we should not add a section to the registry at this point. The URI folk are still discussing a proposal to update the registry structure (along the message header lines), and at that point we can consider whether there should be a section for Historic or its equivalent. If we do anything, I would suggest just capturing the state of the reference doc (Proposed, Draft, Informational) as a column next to the reference doc name. But I don't think we need it right now.

regards,  
Ted Hardie

At 10:51 AM -0800 2/8/05, Michelle Cotton via RT wrote:

>IESG:

>

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>Call: <draft-hoffman-prospiero-uri-03.txt>, and has the following

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>

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>Please let us know.

>

>Thank you.

>

>Michelle Cotton

>(on behalf of IANA)

>

>

>>

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>> From: ietf-announce-bounces@ietf.org [mailto:ietf-announce-  
>bounces@ietf.org]

>> On Behalf Of The IESG

>> Sent: Tuesday, January 11, 2005 8:23 AM

>> To: IETF-Announce

>> Subject: Last Call: 'The prospero URI Scheme' to Historic

>>

>> The IESG has received a request from an individual submitter to

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>>

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>>

>> - 'The prospero URI Scheme '

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>>

>> The IESG plans to make a decision in the next few weeks, and  
solicits

>> final comments on this action. Please send any comments to the

>> iesg@ietf.org or ietf@ietf.org mailing lists by 2005-02-08. Please

>> note that this draft is part of a larger effort to provide scheme

>> definitions for those schemes originally defined in RFC 1738,  
>> so that RFC 1738 may be marked obsolete. Discussion of this  
>> draft and that project has taken place on the uri@w3.org mailing  
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>>

>> The file can be obtained via

>> [http://www.ietf.org/internet-drafts/draft-hoffman-prospero-  
uri-03.txt](http://www.ietf.org/internet-drafts/draft-hoffman-prospero-uri-03.txt)

>>

>>

>>

>> -----  
>> IETF-Announce mailing list

>> IETF-Announce@ietf.org

>> <https://www1.ietf.org/mailman/listinfo/ietf-announce>

>>

>>

>>

>>

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id MAA21002  
for <iesg-archive@lists.ietf.org>; Wed, 9 Feb 2005 12:43:19 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1Cyvoc-00089b-0h; Wed, 09 Feb 2005 12:39:50 -0500

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1CyvGS-0004eW-F0  
for iesg@megatron.ietf.org; Wed, 09 Feb 2005 12:04:32 -0500

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id MAA17150  
for <iesg@ietf.org>; Wed, 9 Feb 2005 12:04:29 -0500 (EST)

Received: from rt.icann.org ([192.0.34.49])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1CyvaH-0003QA-3X  
for iesg@ietf.org; Wed, 09 Feb 2005 12:25:02 -0500

Received: from rt.icann.org (localhost.icann.org [127.0.0.1])  
by rt.icann.org (8.13.1/8.13.1) with ESMTP id j19H3scJ008045;  
Wed, 9 Feb 2005 09:03:54 -0800 (PST) (envelope-from  
www@rt.icann.org)

Received: (from www@localhost)  
by rt.icann.org (8.13.1/8.13.1/Submit) id j19H3sP3008044;  
Wed, 9 Feb 2005 09:03:54 -0800 (PST) (envelope-from www)

Date: Wed, 9 Feb 2005 09:03:54 -0800 (PST)  
From: "hardie@qualcomm.com via RT" <iana-drafts@icann.org>  
In-Reply-To: <rt-68@rt.icann.org>  
Message-ID: <rt-3.2.2-68-847-6.10.3016364726309@icann.org>  
Precedence: bulk  
X-RT-Loop-Prevention: rt.icann.org  
RT-Ticket: rt.icann.org #68  
Managed-by: RT 3.2.2 (<http://www.bestpractical.com/rt/>)  
RT-Originator: hardie@qualcomm.com  
To: iesg@ietf.org  
MIME-Version: 1.0  
Content-Type: text/plain; charset="utf-8"  
X-RT-Original-Encoding: utf-8  
X-Spam-Score: 0.2 (/)  
X-Scan-Signature: 0fa76816851382eb71b0a882ccdc29ac  
X-Mailman-Approved-At: Wed, 09 Feb 2005 12:39:49 -0500  
Cc: paul.hoffman@vpnc.org  
Subject: Re: [rt.icann.org #68] draft-hoffman-prospiero-uri  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Reply-To: iana-drafts@icann.org  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

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Ted Hardie

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>IESG:

>

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>

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>

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>

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>

>Thank you.

>

>Michelle Cotton

>(on behalf of IANA)

>

>

>>

>> -----Original Message-----

>> From: ietf-announce-bounces@ietf.org [mailto:ietf-announce-  
>bounces@ietf.org]

>> On Behalf Of The IESG

>> Sent: Tuesday, January 11, 2005 8:23 AM

>> To: IETF-Announce

>> Subject: Last Call: 'The prospero URI Scheme' to Historic

>>

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>>

>> following document:

>>

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>> <draft-hoffman-prospiero-uri-03.txt> as a Historic

>>

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>> final comments on this action. Please send any comments to the

>> iesg@ietf.org or ietf@ietf.org mailing lists by 2005-02-08. Please

>> note that this draft is part of a larger effort to provide scheme

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>> draft and that project has taken place on the uri@w3.org mailing  
list.

>>

>> The file can be obtained via

>> [http://www.ietf.org/internet-drafts/draft-hoffman-prospero-  
uri-03.txt](http://www.ietf.org/internet-drafts/draft-hoffman-prospero-uri-03.txt)

>>

>>

>> -----

>> IETF-Announce mailing list

>> IETF-Announce@ietf.org

>> <https://www1.ietf.org/mailman/listinfo/ietf-announce>

>>

>>

>>

>>

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTTP id OAA06140  
for <iesg-archive@lists.ietf.org>; Mon, 14 Feb 2005 14:40:20 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1D0lva-000284-0x; Mon, 14 Feb 2005 14:30:38 -0500

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1D0loj-0001C0-LY  
for iesg@megatron.ietf.org; Mon, 14 Feb 2005 14:23:33 -0500

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTTP id OAA04355  
for <iesg@ietf.org>; Mon, 14 Feb 2005 14:23:31 -0500 (EST)

Received: from rt.icann.org ([192.0.34.49])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1D0m9d-0001na-35  
for iesg@ietf.org; Mon, 14 Feb 2005 14:45:09 -0500

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for <iesg@ietf.org>; Mon, 14 Feb 2005 11:23:02 -0800 (PST)  
(envelope-from www@rt.icann.org)

Received: (from www@localhost)  
by rt.icann.org (8.13.1/8.13.1/Submit) id j1EJN2nF014773;  
Mon, 14 Feb 2005 11:23:02 -0800 (PST) (envelope-from www)

Date: Mon, 14 Feb 2005 11:23:02 -0800 (PST)  
From: "Michelle Cotton via RT" <iana-drafts@icann.org>  
In-Reply-To: <rt-69@rt.icann.org>  
Message-ID: <rt-3.2.2-69-2031-6.12.7211588148154@icann.org>  
Precedence: bulk  
X-RT-Loop-Prevention: rt.icann.org  
RT-Ticket: rt.icann.org #69  
Managed-by: RT 3.2.2 (<http://www.bestpractical.com/rt/>)  
RT-Originator: michelle.cotton@icann.org  
To: iesg@ietf.org  
MIME-Version: 1.0  
Content-Type: text/plain; charset="utf-8"  
X-RT-Original-Encoding: utf-8  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: 5ebbf074524e58e662bc8209a6235027  
X-Mailman-Approved-At: Mon, 14 Feb 2005 14:30:34 -0500  
Subject: [rt.icann.org #69] Evaluation: draft-hoffman-wais-uri-03.txt to  
Historic  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Reply-To: iana-drafts@icann.org  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

IANA OK. Comments in tracker.  
IANA Action to change reference only.

Michelle Cotton  
[on behalf of IANA]

>  
> -----Original Message-----  
> From: iesg-bounces@ietf.org [<mailto:iesg-bounces@ietf.org>] On Behalf  
Of IESG  
> Secretary  
> Sent: Friday, February 04, 2005 11:44 AM  
> To: Internet Engineering Steering Group  
> Subject: Evaluation: draft-hoffman-wais-uri-03.txt to Historic  
>

```

> -----
>
> Evaluation for draft-hoffman-wais-uri-03.txt can be found at
> https://datatracker.ietf.org/cgi-bin/idtracker.cgi?
command=view_id&dTag=1224
> 0&rfc_flag=0
>
> Last Call to expire on: 2005-02-08
>
>         Please return the full line with your position.
>
>
>               Yes   No-Objection   Discuss   Abstain
> Harald Alvestrand   [  ]       [  ]       [  ]       [  ]
> Bill Fenner         [  ]       [  ]       [  ]       [  ]
> Ted Hardie         [ X ]       [  ]       [  ]       [  ]
> Sam Hartman        [  ]       [  ]       [  ]       [  ]
> Scott Hollenbeck   [  ]       [  ]       [  ]       [  ]
> Russ Housley       [  ]       [  ]       [  ]       [  ]
> David Kessens      [  ]       [  ]       [  ]       [  ]
> Allison Mankin     [  ]       [  ]       [  ]       [  ]
> Thomas Narten      [  ]       [  ]       [  ]       [  ]
> Jon Peterson       [  ]       [  ]       [  ]       [  ]
> Margaret Wasserman [  ]       [  ]       [  ]       [  ]
> Bert Wijnen        [  ]       [  ]       [  ]       [  ]
> Alex Zinin         [  ]       [  ]       [  ]       [  ]
>
> 2/3 (9) Yes or No-Objection opinions needed to pass.
>
> DISCUSSES AND COMMENTS:
> =====
>
>
>
> ^L
> ---- following is a DRAFT of message to be sent AFTER approval ---
> From: The IESG <iesg-secretary@ietf.org>
> To: IETF-Announce <ietf-announce@ietf.org>
> Cc: Internet Architecture Board <iab@iab.org>,
>     RFC Editor <rfc-editor@rfc-editor.org>
> Subject: Protocol Action: 'The wais URI Scheme' to Historic
>
> The IESG has approved the following document:
>
> - 'The wais URI Scheme '
>   <draft-hoffman-wais-uri-03.txt> as a Historic
>

```

> This document has been reviewed in the IETF but is not the product of  
an  
> IETF Working Group.  
>  
> The IESG contact person is Ted Hardie.  
>  
> Technical Summary  
>  
> The wais URI scheme was originally defined in RFC 1738. This draft  
is part  
> of a  
>  
> larger effort to provide scheme definitions for those schemes  
originally  
> defined in RFC 1738,  
> so that RFC 1738 may be marked obsolete. This scheme is being marked  
> historic  
> at the same time, based on its limited use in the Internet.  
>  
>  
> Working Group Summary  
>  
> This document was reviewed by the URI mailing list and it and the  
general  
> effort have reasonable community support.  
>  
> Protocol Quality  
>  
> This document was reviewed for the IESG by Ted Hardie.  
>  
> RFC Editor Note  
>  
> (Insert RFC Editor note here)  
>  
> IESG Note  
>  
> (Insert IESG Note here)  
>  
> IANA Note  
>  
> (Insert IANA Note here)  
>  
>  
>  
>  
>  
>

>  
>  
>  
>  
>

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA22900  
for <iesg-archive@lists.ietf.org>; Thu, 24 Feb 2005 16:20:42 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1D4QLS-00030T-Mp; Thu, 24 Feb 2005 16:16:26 -0500

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1D4QL0-0003Nz-Qq  
for iesg@megatron.ietf.org; Thu, 24 Feb 2005 16:16:24 -0500

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA22566  
for <iesg@ietf.org>; Thu, 24 Feb 2005 16:16:20 -0500 (EST)

Received: from [132.151.6.50] (helo=newodin.ietf.org)  
by ietf-mx.ietf.org with esmtp (Exim 4.33)  
id 1D4QLJ-0004Zj-Sn; Thu, 24 Feb 2005 16:16:22 -0500

Received: from apache by newodin.ietf.org with local (Exim 4.43)  
id 1D4QLI-0004KV-Sv; Thu, 24 Feb 2005 16:16:16 -0500

Content-Type: text/plain;

Mime-Version: 1.0

To: IESG <iesg@ietf.org>

From: IESG Secretary <iesg-secretary-reply@ietf.org>

Message-Id: <E1D4QLI-0004KV-Sv@newodin.ietf.org>

Date: Thu, 24 Feb 2005 16:16:16 -0500

X-Spam-Score: 0.1 (/)

X-Scan-Signature: dc4b789fcbacb73a0be5d8000275e462

Content-Transfer-Encoding: quoted-printable

X-MIME-Autoconverted: from 8bit to quoted-printable by ietf.org id  
QAA22566

Cc: bfuller@foretec.com, amyk@foretec.com

Subject: Preliminary Agenda and Package for March 3, 2005 Telechat

X-BeenThere: iesg@ietf.org

X-Mailman-Version: 2.1.5

Precedence: list

List-Id: iesg.ietf.org

List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,

<mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org  
Content-Transfer-Encoding: quoted-printable

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the March 3, 2005 IESG Teleconference

This agenda was generated at 16:4:27 EDT, February 24, 2005

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1. Administrivia

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- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects
  - <http://www.unreason.com/jfp/iesg-projects>

=

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-mpls-bundle-06.txt
  - Link Bundling in MPLS Traffic Engineering (Proposed Standard) - 1 of

=

12=20

Note: Has been pulled out of rfc-ed queue for a problem fix. Back to

=

IESG=20

to approve the changes.=20

Token: Alex Zinin

- o draft-ietf-msec-mikey-dhmac-09.txt

HMAC-authenticated Diffie-Hellman for MIKEY (Proposed Standard) - 2

O=

f 12=20

Token: Russ Housley

o Two-document ballot: - 3 of 12

- draft-ietf-dccp-ccid2-08.txt

Profile for DCCP Congestion Control ID 2:TCP-like Congestion

Contr=

ol=20

(Proposed Standard)=20

- draft-ietf-dccp-ccid3-09.txt

Profile for DCCP Congestion Control ID 3:TFRC Congestion

Control=20

(Proposed Standard)=20

Token: Allison Mankin

o draft-ietf-dccp-spec-09.txt

Datagram Congestion Control Protocol (DCCP) (Proposed Standard) - 4

O=

f 12=20

Token: Allison Mankin

o Two-document ballot: - 5 of 12

- draft-ietf-vmim-routing-09.txt

Voice Message Routing Service (Proposed Standard)=20

- draft-ietf-vmim-vmimdir-10.txt

Voice Messaging Directory Service (Proposed Standard)=20

Token: Scott Hollenbeck

o draft-ietf-mpsls-explicit-null-02.txt

Removing a Restriction on the use of MPLS Explicit NULL (Proposed

Standard)=20

- 6 of 12=20

Token: Alex Zinin

o draft-ietf-mpsls-rsvp-attributes-04.txt

Encoding of Attributes for Multiprotocol Label Switching (MPLS)

Label=

=20

Switched Path (LSP) Establishment Using RSVP-TE (Proposed Standard)

--

7 of=20

12=20

Token: Alex Zinin

o draft-ietf-ipv6-link-scoped-mcast-08.txt

Link Scoped IPv6 Multicast Addresses (Proposed Standard) - 8 of

12=20

Note: Sent follow-up message to Pekka to see if the latest

version=20

addresses his concerns.=20  
 Token: Margaret Wasserman  
 o draft-ietf-sasl-anon-05.txt  
 The Anonymous SASL Mechanism (Proposed Standard) - 9 of 12=20  
 Note: Waiting for new draft=20  
 Token: Sam Hartman  
 o draft-ietf-sasl-plain-07.txt  
 The Plain SASL Mechanism (Proposed Standard) - 10 of 12=20  
 Token: Sam Hartman  
 o draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt  
 An Extensible Markup Language (XML) Configuration Access Protocol  
 (XC=AP)=20  
 Usage for Manipulating Presence Document Contents (Proposed  
 Standard)=  
 - 11=20  
 of 12=20  
 Token: Ted Hardie  
 o draft-ietf-mip6-mn-ident-option-02.txt  
 Mobile Node Identifier Option for Mobile IPv6 (Proposed Standard) -  
 1=  
 2 of=20  
 12=20  
 Token: Thomas Narten

2.1.2 Returning Item  
 NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

o draft-gellens-submit-bis-01.txt  
 Message Submission (Draft Standard) - 1 of 1=20  
 Token: Ted Hardie

2.2.2 Returning Item  
 NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a  
 reasonable  
 contribution to the area of Internet engineering which it covers?  
 If  
 not, what changes would make it so?"

### 3.1.1 New Item

- o draft-ietf-pwe3-tdm-requirements-06.txt  
Requirements for Edge-to-Edge Emulation of TDM Circuits over Packet=20  
Switching Networks (PSN) (Informational) - 1 of 3=20  
Note: 2005-02-08: chairs indicate a respin is in the works in response=  
e to=20  
AD review comments.=20  
Token: Thomas Narten
  - o draft-ietf-nsis-rsvp-sec-properties-06.txt  
RSVP Security Properties (Informational) - 2 of 3=20  
Token: Allison Mankin
  - o draft-ietf-mip6-auth-protocol-04.txt  
Authentication Protocol for Mobile IPv6 (Informational) - 3 of 3=20  
Note: 2005-02-15: Has a normative dependency on.=20  
draft-ietf-mip6-mn-ident-option-02.txt, which needs to go through IET=
- F. LC=20  
first.=20  
Token: Thomas Narten

### 3.1.2 Returning Item

NONE

## 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

### 3.2.1 New Item

- o draft-hoffman-wais-uri-03.txt  
The wais URI Scheme (Historic) - 1 of 3=20  
Token: Ted Hardie
- o draft-hoffman-prospero-uri-03.txt  
The prospero URI Scheme (Historic) - 2 of 3=20  
Token: Ted Hardie
- o draft-tesink-urn-clei-00.txt  
A Uniform Resource Name (URN) Namespace for the CLEI Code (Informational) --=20  
3 of 3=20  
Token: Ted Hardie

### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.1 New Item

- o draft-warnicke-network-dns-resolution-05.txt

A Suggested Scheme for DNS Resolution of Networks and Gateways (Informational) - 1 of 1

Note: 2005-02-23: I've reviewed this and do not believe it conflicts

=

with.

any IETF work. I think is fine to be published as an Independent Submission.

Token: David Kessens

#### 3.3.2 Returning Item

- o draft-carroll-dynmobileip-cdma-04.txt

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R)

Network=

s=

(Informational) - 1 of 2

Note: 2005-02-08: IESG: this document violates a MUST NOT in radius,

=

one=

that is not insignificant. I.e., it relates to security aspects/

assum=

ptions=

underlying radius. So, it 'extends and embraces' an IETF

proto=

col in a=

way that warrants IETF review/acceptance.

Token: Thomas Narten

- o draft-klensin-idn-tld-04.txt

National and Local Characters for DNS Top Level Domain (TLD)

Names=

(Informational) - 2 of 2

Note: 2005-02-10: I've reviewed this and do not believe it conflicts

=

with.

any IETF work. I think is fine to be published as an Independent Submission.

Token: Thomas Narten

#### 4. Working Group Actions

##### 4.1 WG Creation

###### 4.1.1 Proposed for IETF Review

NONE

###### 4.1.2 Proposed for Approval

- o Language Tag Registry Update (ltru) - 1 of 3

Token: Ted Hardie

- o IPv6 over IEEE 802.15.4 (lowpan) - 2 of 3

Token: Thomas Narten

- o Transparent Interconnection of Lots of Links (trill) - 3 of 3

Token: Margaret Wasserman

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

###### 4.2.2 Proposed for Approval

NONE

#### 5. Agenda Working Group News

#### 6. IAB News We can use

#### 7. Management Issue

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--=  
-----

### INTERNET ENGINEERING STEERING GROUP (IESG) Agenda for the March 3, 2005 IESG Teleconference

This package was generated at 16:4:28 EDT, February 24, 2005.

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#### 1. Administrivia

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#### 1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, March 3, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please repl=

y

to this message as follows:

o If you are unable to participate, then please write "Regrets" after you=

r

name.

o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be

reached.

o If you are normally connected to the teleconference by an operator, but

will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Harald Alvestrand---Will call in

Rob Austein---Will call in

Brian Carpenter---Will call in

Steve Conte---Will call in

Michelle Cotton---Will call in

Leslie Daigle---Will call in

Aaron Falk---Will call in

Bill Fenner---Will call in

Barbara Fuller---Will call in

Ted Hardie---Regrets

Sam Hartman---Will call in

Scott Hollenbeck---Will call in

Russ Housley---Will call in

David Kessens---Will call in

Allison Mankin---Will call in

Thomas Narten--- Will call in

Jon Peterson---Will call in

Joyce K. Reynolds---Will call in

Dinara Suleymanova---Will call in

Mark Townsley---Will call in

Amy Vezza---Will call in

Margaret Wasserman---Will call in

Bert Wijnen---Will call in

Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their

own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

Argentina Dial-In #: 08006660275  
Australia Dial-In #: 1800004017  
Austria Dial-In #: 0800293225  
Bahamas Dial-In #: 18003890371  
Belgium Dial-In #: 080070189  
Brazil Dial-In #: 08008916634  
China Dial-In #: 108001400446  
Colombia Dial-In #: 018009198732  
Czech Republic Dial-In #: 800142528  
Denmark Dial-In #: 80880221  
Dominican Republic Dial-In #: 18887514594  
Finland Dial-In #: 0800112488  
France Dial-In #: 0800917496  
Germany Dial-In #: 08001818365  
Greece Dial-In #: 0080016122038903

Hong Kong Dial-In #: 800901760  
Hungary Dial-In #: 0680015661  
Iceland Dial-In #: 8008234  
Indonesia Dial-In #: 008800105397  
Ireland Dial-In #: 1800550668  
Israel Dial-In #: 18009458905  
Japan Dial-In #: 00531160236  
Korea (South) Dial-In #: 00308140464  
Latvia Dial-In #: 8002033  
Lithuania Dial-In #: 880030145  
Luxembourg Dial-In #: 80024217  
Malaysia Dial-In #: 1800807300  
Mexico Dial-In #: 0018005148732  
Monaco Dial-In #: 80093175  
Netherlands Dial-In #: 08000235265  
New Zealand Dial-In #: 0800441382  
Norway Dial-In #: 80013184  
Poland Dial-In #: 008001114592  
Portugal Dial-In #: 800819682  
Puerto Rico Dial-In #: 18664031409  
Russian Federation Dial-In #: 81080022581012  
Saint Kitts and Nevis Dial-In #: 18007449294  
Singapore Dial-In #: 8001011359  
Spain Dial-In #: 900981518  
South Africa Dial-In #: 0800994887  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905  
Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

## 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT=20

INTERNET ENGINEERING STEERING GROUP (IESG)=20

Minutes of the February 17, 2005 IESG Teleconference=20

=20

Reported by: Amy Vezza, IETF Secretariat=20

=20

ATTENDEES=20

-----=20

Harald Alvestrand / Cisco

Rob Austein / ISC (IAB Liaison)

Steve Conte / ICANN (IANA)

Michelle Cotton / ICANN (IANA)

Leslie Daigle / Verisign (IAB)=20

Aaron Falk / ISI (RFC Editor)

Bill Fenner / AT&T=20

Barbara Fuller / IETF Secretariat=20

Ted Hardie / Qualcomm, Inc.

Sam Hartman / MIT

Scott Hollenbeck / VeriSign=20

Russ Housley / Vigil Security, LLC=20

David Kessens / Nokia

Allison Mankin / Shinkuro, Inc.=20

Thomas Narten / IBM=20

Joyce K. Reynolds / ISI (RFC Editor)

Dinara Suleymanova / IETF Secretariat

Amy Vezza / IETF Secretariat=20

Margaret Wasserman / ThingMagic=20

Alex Zinin / Alcatel

REGRETS=20

-----=20

Jon Peterson / NeuStar, Inc.

Bert Wijnen / Lucent

MINUTES=20

-----=20

=20

1. Administrivia=20

1.1 Approval of the Minutes

=20

The minutes of the February 3, 2005 Teleconference were approved.=20

The Secretariat will place the minutes in the public archives.=20

1.2 Documents Approved Since the February 3, 2005 IESG=20  
Teleconference

1.2.1 Protocol Actions

o draft-ietf-ipcdn-qos-mib-12.txt (Proposed Standard) =20

- o draft-ietf-ldapbis-url-09.txt (Proposed Standard)
- o draft-ietf-entmib-v3-07.txt (Proposed Standard)=20
- o draft-ietf-adslmib-vdsl-ext-scm-08.txt (Proposed Standard)=20
- o draft-ietf-adslmib-vdsl-ext-mcm-06.txt (Proposed Standard)

### 1.2.2 Document Actions

- o draft-haverinen-pppext-eap-sim-16.txt (Informational RFC)
  - o draft-arkko-pppext-eap-aka-15.txt (Informational RFC)=20
  - o draft-ietf-trade-voucher-vtsapi =E2=80=9306.txt (Informational RFC)
  - o draft-ietf-lemonade-goals-05.txt (Informational RFC)
  - o draft-ietf-dna-goals-04.txt (Informational RFC)
  - o draft-huston-ip6-iana-registry-05.txt (Informational RFC)
- =20

### 1.3 Review of Action Items

DONE:

- o Margaret Wasserman to send new text for the TRILL WG announcement to the Secretariat.

DELETED:

NONE

IN PROGRESS:

- o Applications ADs to evaluate the situation with regards to MIME type=20 review, and see how we can ensure the review turnaround times specified=20 in the MIME registration procedures.
- o Allison Mankin and Thomas Narten to compose a message for the IESG and=20 IAB related to 3GPP's Release 6 publication deadline and expedited=20 documents.
- o Allison Mankin to talk to Geoff Huston about reopening his Quality of=20 Service RFC.
- o Allison Mankin to suggest updated reminder text for the agenda package=20 for the RFC Editor documents section.
- o David Kessens to suggest a change to the WG chartering procedures so=20

that milestones are included in the public review messages.

- o The Internet ADs to work with the Routing ADs to determine a co-chair

a=

nd

technical advisor for the TRILL

WG to get adequate coverage from the Routing Area.

NEW:

- o Harald Alvestrand to propose an initial time line for the IESG's IAOC

m=

ember

selection.

#### 1.4 Review of Projects

=20

#### 2. Protocol Actions

##### 2.1 WG Submissions

##### 2.1.1 New Item

- o draft-ietf-idr-bgp-ext-communities-08.txt - 1 of 6

BGP Extended Communities Attribute (Proposed Standard)

Token: Bill Fenner

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand, Russ Housley, David Kessens, Thomas

N=

arten,

and Alex Zinin.\*

- o draft-ietf-mmusic-kmgmt-ext-13.txt - 2 of 6

Key Management Extensions for Session Description Protocol (SDP) and Real

=

Time

Streaming Protocol=20

(RTSP) (Proposed Standard)

Token: Jon Peterson

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman and Russ Housley.\*

- o draft-ietf-mmusic-sdescriptions-09.txt - 3 of 6

Session Description Protocol Security Descriptions for Media Streams

(Pro=

posed

Standard)

Token: Jon Peterson

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley.\*

o draft-ietf-rohc-context-replication-06.txt - 4 of 6  
Robust Header Compression (ROHC):Context Replication for ROHC Profiles  
(Proposed Standard)  
Token: Allison Mankin

The document was approved by the IESG. The Secretariat will send a=20 working group submission Protocol Action Announcement.

o draft-ietf-simple-xcap-06.txt - 5 of 6  
The Extensible Markup Language (XML) Configuration Access Protocol  
(XCAP)  
(Proposed Standard)  
Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley and Margaret Wasserman.\*

o draft-ietf-simple-xcap-list-usage-05.txt - 6 of 6  
Extensible Markup Language (XML) Formats for Representing Resource Lists  
(Proposed Standard)  
Token: Ted Hardie

The document was approved by the IESG. The Secretariat will send a=20 working group submission Protocol Action Announcement.

#### 2.1.2 Returning Item

o draft-ietf-sip-sctp-06.txt - 1 of 1  
The Stream Control Transmission Protocol (SCTP) as a Transport for the Session Initiation Protocol (SIP) (Proposed Standard)  
Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman.\*

### 2.2 Individual Submissions

#### 2.2.1 New Item

o draft-lee-tls-seed-01.txt - 1 of 3  
Addition of SEED Ciphersuites to Transport Layer Security (TLS)

(Proposed  
Standard)  
Token: Russ Housley

The document was approved by the IESG pending an RFC Editor Note to be=20  
prepared by Russ Housley. The Secretariat will send an individual  
submis=  
sion=20  
Protocol Action Announcement that includes the RFC Editor Note.

o draft-strombergson-shf-05.txt - 2 of 3  
The Standard Hexdump Format (Proposed Standard)  
Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve  
points raised by Harald Alvestrand and Scott Hollenbeck.\*

o draft-bellovin-mandate-keymgmt-03.txt - 3 of 3  
Guidelines for Cryptographic Key Management (BCP)  
Token: Sam Hartman

The document was approved by the IESG pending an RFC Editor Note to be=20  
prepared by Sam Hartman. The Secretariat will send an individual  
submissi=  
on=20  
Protocol Action Announcement that includes the RFC Editor Note.

## 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-mip6-ro-sec-02.txt - 1 of 4  
Mobile IP version 6 Route Optimization Security Design Background  
(Informational)  
Token: Thomas Narten

The document was approved by the IESG. The Secretariat will send  
a working group submission Document Action Announcement.

o draft-ietf-rohc-tcp-requirements-08.txt - 2 of 4  
Requirements for ROHC IP/TCP Header Compression (Informational)

Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Document Action Announcement that includes the RFC=20 Editor Note.

o draft-ietf-rohc-tcp-field-behavior-04.txt - 3 of 4  
TCP/IP Field Behavior (Informational)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Allison Mankin.\*

o draft-ietf-l3vpn-mgt-fwk-03.txt - 4 of 4  
Framework for L3VPN Operations and Management (Informational)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand.\*

### 3.1.2 Returning Item

o draft-ietf-fax-gateway-options-08.txt - 1 of 2  
Guideline of optional services for Internet FAX Gateway (Informational)

Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

o draft-ietf-fax-gateway-protocol-12.txt - 2 of 2  
Internet FAX Gateway Functions (Informational)

Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send a=20 working group submission Document Action Announcement.

## 3.2 Individual Submissions Via AD

### 3.2.1 New Item

o draft-sinnreich-sipdev-req-05.txt - 1 of 4  
SIP Telephony Device Requirements and Configuration (Informational)

Token: Jon Peterson

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand, Ted Hardie, Russ Housley, and David Kessens.\*

o draft-hall-mime-app-mbox-04.txt - 2 of 4  
The APPLICATION/MBOX Media-Type (Informational)  
Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send an individual submission Document Action Announcement.

o Three-document ballot: - 3 of 4  
- draft-katz-submitter-00.txt=20  
SMTP Service Extension for Indicating the Responsible Submitter of an E-mail=20  
Message (Experimental)=20  
- draft-lyon-senderid-core-00.txt=20  
Sender ID: Authenticating E-Mail (Experimental)=20  
- draft-lyon-senderid-pra-00.txt=20  
Purported Responsible Address in E-Mail Messages (Experimental)=20  
Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman, Scott Hollenbeck, Russ Housely, and David Kessens.\*

o draft-schlitt-spf-classic-00.txt - 4 of 4  
Sender Policy Framework: Authorizing Use of Domains in E-MAIL (Experimental)  
Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley.\*

### 3.2.2 Returning Item

o draft-kindberg-tag-uri-07.txt - 1 of 1  
The 'tag' URI scheme (Informational)  
Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman.\*

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

o draft-zeilenga-ldup-sync-06.txt - 1 of 2  
LDAP Content Synchronization Operation (Experimental)  
Token: Ted Hardie

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be prepared by Ted Hardie.

o draft-melsen-mac-forced-fwd-03.txt - 2 of 2

MAC-Forced Forwarding: A Method for Traffic Separation on an Ethernet

Acc=

ess=20

Network (Informational)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Margaret Wasserman.\*

### 3.3.2 Returning Item

o draft-carroll-dynmobileip-cdma-04.txt - 1 of 4

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R) Networks (Informational)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Thomas Narten.\* The Secretariat will place the document=

on the

agenda=20

for the next IESG Teleconference (03/03/2005) at the request of the sheph=

erding

AD.

o Two-document ballot: - 2 of 4

- draft-sjkoh-rmt-bb-tree-config-03.txt=20

Reliable Multicast Transport Building Block: Tree Auto-Configuration (Informational)=20

- draft-chiu-rmt-bb-track-03.txt=20

Reliable Multicast Transport Building Block:Tree based ACK (TRACK)

Mechan=

isms

(Informational)=20

Token: Allison Mankin

The IESG recommends that the RFC Editor does not publish these documents. The Secretariat will send a "do not publish" message to the RFC Editor that includes an IESG Note to be prepared by Allison

Ma=

nkin.

o draft-klensin-idn-tld-04.txt - 3 of 4

National and Local Characters for DNS Top Level Domain (TLD) Names  
(Informational)

Token: Thomas Narten

The document was deferred to the next teleconference (03/03/2005) by Ted Hardie.

o draft-shirasaki-dualstack-service-04.txt - 4 of 4

A Model of IPv6/IPv4 Dual Stack Internet Access Service (Informational)

Token: Thomas Narten

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be prepared by Thomas Narten.

### 3.3.3 For Action

o draft-ford-midcom-p2p-03.txt - 1 of 1

Peer-to-Peer communication across Middleboxes (Informational)

Token: Jon Peterson

The document was discussed. The RFC Editor promised to ask the author whether

he was

still interested in having the document published as an RFC Editor

submission, since other

people had said he was no longer interested in publishing.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

o Language Tag Registry Update (ltru) - 1 of 1

Token: Ted Hardie

The IESG approved the draft WG charter for IETF review pending an edited charter to be

provided by Ted Hardie. The Secretariat will send a WG Review

announcement,

with a

separate message to new-work@ietf.org. The Secretariat will place the

WG

on the  
agenda=20  
for the next IESG Teleconference (03/03/2005).

#### 4.1.2 Proposed for Approval

o Network Time Protocol (ntp) - 1 of 3

Token: Thomas Narten

The IESG approved the charter for the new working group pending an  
edited  
charter to be=20  
provided by Thomas Narten. The Secretariat will send a WG Action  
announc=  
ement  
that=20  
includes the edited charter.

o IPv6 over IEEE 802.15.4 (lowpan) - 2 of 3

Token: Thomas Narten

The IESG decided not to approve the WG charter at this time. The  
Secreta=  
riat  
will place it back  
on the agenda in the same section for the next IESG Teleconference  
(03/03/2005).

o Transparent Interconnection of Lots of Links (trill) - 3 of 3

Token: Margaret Wasserman

The WG charter was discussed. The IESG decided to allow additional time  
=  
for  
community and=20  
IEEE feedback. The Secretariat will place it back on the agenda in the  
s=  
ame  
section for the next=20  
IESG Teleconference (03/03/2005).

#### 4.2 WG Rechartering

4.2.1 Under evaluation for IETF Review

NONE=20

4.2.2 Proposed for Approval

NONE=20

5. Working Group News We Can Use

6. IAB News We Can Use=20

7. Management Issues=20

7.1 MIME Type registration: Updated Registration of media type  
"application/nss" (Scott Hollenbeck)=20

The management issue was discussed. The IESG approved the MIME Type=20  
registration for "application/nss."

7.2 Criteria for IAOC members to Nomcom (Harald Alvestrand)

The management issue was discussed. The IESG decided to take this  
discus=  
sion=20  
to email, and plans to send the qualifications necessary for IAOC  
members=  
to the  
=20  
NomCom by Monday, February 21, 2005.

7.3 IESG Procedure for Picking IAOC Member (Harald Alvestrand)

The management issue was discussed. =20  
Action item: Harald Alvestrand to propose an initial time line for the  
IE=  
SG's  
IAOC=20  
member selection.

-----  
\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG.

## 1. Administrivia=20

### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: February 21, 2005=09

IP o Applications ADs to evaluate the situation with regards to MIME  
t=  
ype=20

review, and see how we can ensure the review turnaround times  
spe=  
cified=20

in the MIME registration procedures.

IP o Allison Mankin and Thomas Narten to compose a message for the  
IES=  
G and =20

IAB related to 3GPP's Release 6 publication deadline and  
expedite=  
d =20

documents.

IP o Allison Mankin to talk to Geoff Huston about reopening his  
Qualit=  
y of=20

Service RFC.

IP o Allison Mankin to suggest updated reminder text for the agenda  
pa=  
ckage=20

for the RFC Editor documents section.

IP o David Kessens to suggest a change to the WG chartering  
procedures=  
so=20

that milestones are included in the public review messages.=20

IP o The Internet ADs to work with the Routing ADs to determine a co-  
c=  
hair=20

and technical advisor for the TRILL WG to get adequate coverage  
f=  
rom=20

the Routing Area.

IP o Harald Alvestrand to propose an initial time line for the IESG's  
=  
IAOC=20

member selection.

## 1. Administrivia

### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

### 2.1 WG Submissions=20

#### 2.1.1 New Item - 1 of 12=20

o draft-ietf-mpls-bundle-06.txt

Link Bundling in MPLS Traffic Engineering (Proposed Standard)=20

Note: Has been pulled out of rfc-ed queue for a problem fix. Back to

=

IESG=20

to approve the changes.=20

Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>=20

Subject: Template for draft-ietf-mpls-bundle - Link Bundling in=20  
MPLS Traffic Engineering to Proposed Standard

-----

Last Call to expire on: August 13, 2002

Please return the full line with your position.

Yes      No-Objection      Discuss \*      Abstain =20

Harald Alvestrand	[ ]	[ X ]	[ ]	[ ]	=20
Bill Fenner	[ ]	[ X ]	[ ]	[ ]	=20
Ted Hardie	[ ]	[ ]	[ ]	[ ]	
Sam Hartman	[ ]	[ ]	[ ]	[ ]	
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]	
Russ Housley	[ ]	[ ]	[ ]	[ ]	
David Kessens	[ ]	[ ]	[ ]	[ ]	
Allison Mankin	[ ]	[ X ]	[ ]	[ ]	=20
Thomas Narten	[ ]	[ X ]	[ ]	[ ]	

Jon Peterson	[ ]	[ ]	[ ]	[ ]=20
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]
Alex Zinin	[ ]	[XX ]	[ X ]	[ ]=20

Steve Bellovin	[ ]	[ X ]	[ ]	[ ]=20
Scott Bradner	[ X ]	[ ]	[ ]	[ ]=20
Randy Bush	[ ]	[XX ]	[ X ]	[ ]=20
Patrik Faltstrom	[ ]	[ X ]	[ ]	[ ]=20
Ned Freed	[ ]	[ X ]	[ ]	[ ]=20
Erik Nordmark	[ ]	[ X ]	[ ]	[ ]=20
Jeff Schiller	[ ]	[ X ]	[ ]	[ ]=20

2/3 (9) Yes or No-Objection opinions needed to pass.=20  
=20

\* Indicate reason if 'Discuss'.

DISCUSS

=3D=3D=3D=3D=3D=3D=3D

Alex: Same as for mpls-lsp-hierarchy: the draft contains OSPF & ISIS related details and I don't remember it being LC'ed or reviewed in the corresponding WGs.

Randy: needs to explain WHY/WHEN <id, label> is not sufficient

As further stated in [GMPLS-ROUTING], depending on the nature of resources that form a particular TE link, for the purpose of GMPLS signaling in some cases a combination of <link identifier, label>

i=  
s

sufficient to unambiguously identify the appropriate resource used

=  
by

an LSP. In other cases, a combination of <link identifier, label>

i=  
s

not sufficient. Such cases are handled by using the link bundling construct which is described in this document.

---

sec cons wimpy. e.g. could i not attack by signaling a phony bundled link and thus overshadow a component link?

"L

To: IETF-Announce;;

Dcc: \*\*\*\*\*

Cc: RFC Editor <rfc-editor@isi.edu>,

Internet Architecture Board <iab@iab.org>, mpls@uu.net

From: The IESG <iesg-secretary@ietf.org>

Subject: Protocol Action: Link Bundling in MPLS Traffic Engineering=20  
to Proposed Standard

-----

The IESG has approved the Internet-Draft Link Bundling in MPLS=20  
Traffic Engineering <draft-ietf-mpls-bundle-04.txt> as a Proposed=20  
Standard. This document is the product of the Multiprotocol Label=20  
Switching Working Group. The IESG contact persons are Bert Wijnen=20  
and Scott Bradner.

=20

Technical Summary

A MPLS Traffic Engineering (TE) link is a logical construct that  
represents a way to group/map the information about certain physical  
resources (and their properties) that interconnect Label Switch Routers  
into the information that is used by Constrained SPF for the purpose of  
path computation, and by GMPLS signaling.

Depending on the nature of resources that form a particular MPLS TE=20  
link, for the purpose of GMPLS signaling in some cases a combination  
of=20

<link identifier, label> is sufficient to unambiguously identify the=20  
appropriate resource used by an Label Switched Path. In other cases,  
a=20

combination of <link identifier, label> is not sufficient. The latter=20  
cases are handled by using the link bundling construct that is  
described=20  
in this document.

Working Group Summary

The MPLS working group supported publication of this document.

Protocol Quality

This document was reviewed for the IESG by Scott Bradner.

RFC Editor:

Insert the following paragraph after the second paragraph in Section 4

(Link Bundling):

As an example consider a TE link between a pair of SONET/SDH cross connects, where this TE link is composed of several fibers. In this case the label is a TDM time slot, and moreover, this time slot is significant only within a particular fiber. Thus, when signaling an LSP over such a TE link, one needs to specify not just the identity of the link, but also the identity of a particular fiber within that TE link, as well as a particular label (time slot) within that fiber.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 12

- o draft-ietf-msec-mikey-dhmac-09.txt

HMAC-authenticated Diffie-Hellman for MIKEY (Proposed Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-msec-mikey-dhmac-09.txt to Proposed Standard

-----

Evaluation for draft-ietf-msec-mikey-dhmac-09.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=3D9276&rfc_flag=3D0)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=3D9276&rfc_flag=3D0)

[3D9276&rfc](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=3D9276&rfc_flag=3D0)

[\\_flag=3D0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=3D9276&rfc_flag=3D0)

Last Call to expire on: 2005-02-15

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bill Fenner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ted Hardie	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sam Hartman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scott Hollenbeck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Russ Housley	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
David Kessens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Allison Mankin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thomas Narten	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jon Peterson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Margaret Wasserman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bert Wijnen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alex Zinin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DISCUSSES AND COMMENTS:

"L=20

From: The IESG <iesg-secretary@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

msec mailing list <msec@securemulticast.org>, msec chair=20

C=

<thardjono@verisign.com>=20

MIKEY' to Proposed Standard=20

- 'HMAC-authenticated Diffie-Hellman for MIKEY '

This document is the product of the Multicast Security Working Group.=20

The IESG contact persons are Russ Housley and Steve Bellovin.

## Technical Summary

This document describes a light-weight point-to-point key management protocol variant for the multimedia Internet keying (MIKEY) protocol MIKEY, as defined in RFC 3830. In particular, this variant deploys the classic Diffie-Hellman key agreement protocol for key establishment featuring perfect forward secrecy in conjunction with a keyed hash message authentication code for achieving mutual authentication and message integrity of the key management messages exchanged. This protocol addresses the security and performance constraints of multimedia key management in MIKEY.

## Working Group Summary

The MSEC Working Group reached consensus on this document.

## Protocol Quality

This document was reviewed by Russ Housley for the IESG.

=20

### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

#### 2.1 WG Submissions=20

##### 2.1.1 New Item - 3 of 12=20

###### o Two-document ballot:

- draft-ietf-dccp-ccid2-08.txt

Profile for DCCP Congestion Control ID 2:TCP-like Congestion

Contro=

l=20

(Proposed Standard)=20

- draft-ietf-dccp-ccid3-09.txt

Profile for DCCP Congestion Control ID 3:TFRC Congestion

Control=20

(Proposed Standard)=20

Token: Allison Mankin

=20

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

### 2.1 WG Submissions=20

#### 2.1.1 New Item - 4 of 12=20

- o draft-ietf-dccp-spec-09.txt

Datagram Congestion Control Protocol (DCCP) (Proposed Standard)=20

Token: Allison Mankin

=20

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

### 2.1 WG Submissions=20

#### 2.1.1 New Item - 5 of 12=20

- o Two-document ballot:

- draft-ietf-vpim-vpimdir-10.txt

Voice Messaging Directory Service (Proposed Standard)=20

- draft-ietf-vpim-routing-09.txt

Voice Message Routing Service (Proposed Standard)=20

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-vpim-routing-09.txt to Proposed Standard,=

=20

draft-ietf-vpim-vpimdir-10.txt to Proposed Standard=20

-----

Evaluation for draft-ietf-vpim-routing-09.txt, draft-ietf-vpim-vpimdir-10=

.txt=20

can be found at=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[3D5733&rfc](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[\\_flag=3D0=20](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)



ng=20  
Group.=20

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

Technical Summary  
=20

The VPIM directory schema provides essential additional attributes to recreate the voice mail user experience using standardized directories. This user experience provides, at the time of addressing, basic assurances that the message will be delivered as intended.

The VPIM routing document describes two mechanisms by which a sending VPIM system may determine the destination mailbox given a telephone number. Both mechanisms build upon ENUM. One mechanism utilizes an LDAP query to determine recipient capabilities and retrieve address confirmation information such as a spoken or text name.

=20

Working Group Summary

These documents are products of the Voice Profile for Internet Mail (vpim) working group. Consensus to publish the documents was reached. Comments received during the IETF last call have been addressed.

=20

Protocol Quality

=20

Scott Hollenbeck has reviewed this specification for the IESG.

=20

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

### 2.1 WG Submissions=20

#### 2.1.1 New Item - 6 of 12=20

- o draft-ietf-mpls-explicit-null-02.txt

Removing a Restriction on the use of MPLS Explicit NULL (Proposed Sta=

ndard)=20

Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mpls-explicit-null-02.txt to Proposed

Sta=

ndard=20

\_\_\_\_\_

Evaluation for draft-ietf-mpls-explicit-null-02.txt can be found at=20

<https://datatracker.ietf.org/cgi-bin/idtracker.cgi?>

command=3Dview\_id&dTag=

=3D11693&rf

c\_flag=3D0=20

Last Call to expire on: 2004-12-15

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bill Fenner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ted Hardie	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sam Hartman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scott Hollenbeck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Russ Housley	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
David Kessens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Allison Mankin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thomas Narten	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jon Peterson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Margaret Wasserman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bert Wijnen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alex Zinin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=3D

"L=20

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
mpls mailing list <mpls@lists.ietf.org>,  
mpls chair <swallow@cisco.com>,  
mpls chair <loa@pi.se>  
Subject: Protocol Action: 'Removing a Restriction on the use of MPLS  
Explicit NULL' to Full Standard

The IESG has approved the following document:

- 'Removing a Restriction on the use of MPLS Explicit NULL '  
<draft-ietf-mpls-explicit-null-01.txt> as a Full Standard

This document is the product of the Multiprotocol Label Switching  
Working  
Group.

The IESG contact persons are Alex Zinin and Bill Fenner.

#### Technical Summary

The label stack encoding for MPLS (Multi-protocol Label Switching) defines a reserved label value known as "IPv4 Explicit NULL" and a reserved label value known as "IPv6 Explicit NULL". Previously, these labels were only legal when they occurred at the bottom of the MPLS label stack. This restriction is now removed, so that these label values may legally occur anywhere in the stack.

#### Working Group Summary

The Working Group had a consensus on advancing this document.

#### Protocol Quality

The Document has been reviewed for the IESG by Alex Zinin. The document has been reviewed by the RTG area directorate (Danny McPherson).

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

2.1 WG Submissions=20

2.1.1 New Item - 7 of 12=20

o draft-ietf-mpls-rsvp-te-attributes-04.txt

Encoding of Attributes for Multiprotocol Label Switching (MPLS)

Label=

=20

Switched Path (LSP) Establishment Using RSVP-TE (Proposed Standard)

=20

Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mpls-rsvp-te-attributes-04.txt to

Proposed=

=20

Standard=20

-----

Evaluation for draft-ietf-mpls-rsvp-te-attributes-04.txt can be found at=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[3D10917&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[c\\_flag=3D0=20](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

Last Call to expire on: 2004-12-15

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]

Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ X ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=3D

 $\ell = 20$ 

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, =20

mpls mailing list <mpls@lists.ietf.org>.

```
mp1s chair <swallow@cisco.com>.
```

```
mpis chair <loa@pi.se>
```

Subject: Protocol Action: 'Encoding of Attributes for Multiprotocol=20  
Label Switching (MPLS) Label Switched Path (LSP) Establishment

$$U =$$

sing=20

RSVP-TE' to Proposed Standard=20

The IESG has approved the following document:

- 'Encoding of Attributes for Multiprotocol Label Switching (MPLS)

Label=20

## Switched Path (LSP) Establishment Using RSVP-TE

<draft-ietf-mpls-rsvp-te-attributes-04.txt> as a Proposed Standard

This document is the product of the Multiprotocol Label Switching

Working=

$$= 20$$

Group.=20

The IESG contact persons are Alex Zinin and Bill Fenner.

## Technical Summary

$=20$

This document defines a new object for RSVP-TE messages that allows the signaling of further attribute bits and also the carriage of arbitrary attribute parameters to make RSVP-TE easily extensible to support new requirements. Additionally, this document defines a way

to record the attributes applied to the LSP on a hop-by-hop basis.

#### Working Group Summary

=20

The WG had a consensus on advancing this document.

=20

#### Protocol Quality

=20

The document has been reviewed by Mike Shand and Ross Callon for the RTG

directorates. The document has been reviewed by Alex Zinin for the IESG.

=20

#### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

##### 2.1 WG Submissions=20

###### 2.1.1 New Item - 8 of 12=20

- o draft-ietf-ipv6-link-scoped-mcast-08.txt

Link Scoped IPv6 Multicast Addresses (Proposed Standard)=20

Note: Sent follow-up message to Pekka to see if the latest version=20

addresses his concerns.=20

Token: Margaret Wasserman

=20

#### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

##### 2.1 WG Submissions=20

###### 2.1.1 New Item - 9 of 12=20

- o draft-ietf-sasl-anon-05.txt

The Anonymous SASL Mechanism (Proposed Standard)=20

Note: Waiting for new draft=20

Token: Sam Hartman

=20

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

### 2.1 WG Submissions=20

#### 2.1.1 New Item - 10 of 12=20

- o draft-ietf-sasl-plain-07.txt

The Plain SASL Mechanism (Proposed Standard)=20

Token: Sam Hartman

=20

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

### 2.1 WG Submissions=20

#### 2.1.1 New Item - 11 of 12=20

- o draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt

An Extensible Markup Language (XML) Configuration Access Protocol (XC=

AP)=20  
Usage for Manipulating Presence Document Contents (Proposed Standard)=

=20

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-simple-xcap-pidf-manipulation-usage-02.tx=

t to=20

Proposed Standard=20

-----

Evaluation for draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt can

=

be=20

found at=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[3D11801&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[c\\_flag=3D0=20](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

Last Call to expire on: 2004-12-28

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ X ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=3D

"L=20

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, =20

simple mailing list <simple@ietf.org>.

simple chair <RjS@xten.com>.

simple chair <hisham.khartabil@telio.no>

Subject: Protocol Action: 'An Extensible Markup Language (XML)=20

## Configuration Access Protocol (XCAP) Usage for Manipulating

Pres=

ence=20

Document Contents' to Proposed Standard=20

The IESG has approved the following document:

- 'An Extensible Markup Language (XML) Configuration Access Protocol (XCA=

P)=20

Usage for Manipulating Presence Document Contents '  
<draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt> as a Proposed  
Standard

This document is the product of the SIP for Instant Messaging and  
Presenc=  
e=20  
Leveraging Extensions Working Group.=20

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

Technical Summary

=20

This document describes a usage of the Extensible Markup Language  
(XML) Configuration Access Protocol (XCAP) for manipulating the  
contents of Presence Information Data Format (PIDF) based presence  
document. It is intended to be used in Session Initiation Protocol  
(SIP) based presence systems, where the Event State Compositor can  
use the XCAP-manipulated presence document as one of the inputs on  
which it builds the overall presence state for the presentity.

=20

Working Group Summary

=20

The working group came to consensus on this document. There were  
revisions suggested during IETF Last Call, and this version reflects  
changes made in response to those suggestions.

=20

Protocol Quality

=20

This document was reviewed for the IESG by Ted Hardie.

RFC Editor Note

=20

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

=20

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

### 2.1 WG Submissions=20

#### 2.1.1 New Item - 12 of 12=20

o draft-ietf-mip6-mn-ident-option-02.txt

Mobile Node Identifier Option for Mobile IPv6 (Proposed Standard)=20

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mip6-mn-ident-option-02.txt to

Proposed=20

Standard=20

-----

Evaluation for draft-ietf-mip6-mn-ident-option-02.txt can be found at=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[3D12617&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[c\\_flag=3D0=20](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

Last Call to expire on: 2005-03-01

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ X ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]

Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=3D

"L=20

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,20

mip6 mailing list <mip6@ietf.org>.

mip6 chair <basavaraj.patil@nokia.com>,

mip6 chair <gdommety@cisco.com>

Subject: Protocol Action: 'Mobile Node Identifier Option for Mobile=20

IPv6' to Proposed Standard=20

The IESG has approved the following document:

- 'Mobile Node Identifier Option for Mobile IPv6 '

<draft-ietf-mip6-mn-ident-option-02.txt> as a Proposed Standard

This document is the product of the Mobility for IPv6 Working Group.=20

The IESG contact persons are Thomas Narten and Margaret Wasserman.

## Technical Summary

Mobile IPv6 defines a new Mobility header that is used by mobile nodes, correspondent nodes, and home agents in all messaging related to the creation and management of bindings. Mobile IPv6 nodes need the capability to identify themselves using an identity other than the default home IP address. Some examples of identifiers include NAI, FQDN, IMSI, MSISDN, etc. This document defines a new mobility option that can be used by Mobile IPv6 entities to identify themselves in messages containing a mobility header.

## Working Group Summary

The working group has discussed the need for such an identifier at several WG meetings as well as on the mailing list. The need for

alternate identifiers such as NAI, IMSI etc. arises from the deployment needs of Mobile IPv6 by 3GPP2. 3GPP2 specification 835-Rev D is currently being worked on and this feature has been identified as a necessity for incorporating Mobile IPv6 in the standard. WG LC has been completed. No major issues were identified during the last call process.=20

## Protocol Quality

No known implementations of the protocol exist at this time. However there exist plans to implement this protocol since it is required for deployment in 3GPP2 based networks. Revision D of TIA 835 specifies the need for such an identifier to be included in the mobility header of the registration messages.

This document has been reviewed for the IESG by Thomas Narten.

=20

## RFC Editor Note

=20

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

=20

## 2.1.2 Returning Item

NONE

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"=20

## 2.2 Individual Submissions=20

### 2.2.1 New Item - 1 of 1=20

o draft-gellens-submit-bis-01.txt  
Message Submission (Draft Standard)=20  
Token: Ted Hardie

=20

### 2.2.2 Returning Item

NONE

## 3. Document Actions=20

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a  
reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"=20

#### 3.1.1 New Item - 1 of 3=20

o draft-ietf-pwe3-tdm-requirements-06.txt  
Requirements for Edge-to-Edge Emulation of TDM Circuits over  
Packet=20

Switching Networks (PSN) (Informational)=20

Note: 2005-02-08: chairs indicate a respin is in the works in  
respons=

e to=20

AD review comments.=20

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-pwe3-tdm-requirements-06.txt to

Informati=

onal=20

RFC=20

-----

Evaluation for draft-ietf-pwe3-tdm-requirements-06.txt can be found  
at=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

command=3Dview\_id&dTag=

=3D9910&rftc

\_flag=3D0=20

Last Call to expire on:=20



This document is the product of the Pseudo Wire Emulation Edge to Edge  
Working Group.  
=20

The IESG contact persons are Thomas Narten and Margaret Wasserman.

#### Technical Summary

=20

The PWE3 WG is defining mechanisms for carrying lower-layer protocols (e.g., L2) over IP and MPLS networks and emulating the services they provide. This document defines the requirements for edge-to-edge-emulation of circuits carrying Time Division Multiplexed digital (TDM) signals of the Plesiochronous Digital Hierarchy (PDH) as well as the Synchronous Optical Network (SONET)/Synchronous Digital Hierarchy (SDH) over packet-switched networks.

The requirements are aligned to the common architecture for PWE3. It makes references to the generic requirements for PWE3 where applicable and complements them by defining requirements originating from specifics of TDM circuits.

#### Working Group Summary

=20

There was consensus for this document in the WG.

=20

#### Protocol Quality

=20

This document has been reviewed for the IESG by Thomas Narten.

#### RFC Editor Note

=20

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

=20

### 3. Document Actions=20

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a  
reasonable

contribution to the area of Internet engineering which it covers?  
If

not, what changes would make it so?"=20

##### 3.1.1 New Item - 2 of 3=20

- o draft-ietf-nsis-rsvp-sec-properties-06.txt  
RSVP Security Properties (Informational)=20  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-nsis-rsvp-sec-properties-06.txt to=20  
Informational RFC=20

-----

Evaluation for draft-ietf-nsis-rsvp-sec-properties-06.txt can be found  
at=

=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[3D9625&rfc](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[\\_flag=3D0=20](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

Last Call to expire on:=20

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]

(Insert IANA Note here)

=20

### 3. Document Actions=20

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"=20

##### 3.1.1 New Item - 3 of 3=20

o draft-ietf-mip6-auth-protocol-04.txt

Authentication Protocol for Mobile IPv6 (Informational)=20

Note: 2005-02-15: Has a normative dependency on.=20

draft-ietf-mip6-mn-ident-option-02.txt, which needs to go through=20

IETF<br>LC first.=20

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mip6-auth-protocol-04.txt to Informationa=

l RFC=20

-----

Evaluation for draft-ietf-mip6-auth-protocol-04.txt can be found at=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[3D11957&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[c\\_flag=3D0=20](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

Last Call to expire on:=20

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Harald Alvestrand	[ ]	[ ]	[ ]	[ ]
Bill Fenner	[ ]	[ ]	[ ]	[ ]
Ted Hardie	[ ]	[ ]	[ ]	[ ]
Sam Hartman	[ ]	[ ]	[ ]	[ ]
Scott Hollenbeck	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]

David Kessens	[ ]	[ ]	[ ]	[ ]
Allison Mankin	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ X ]	[ ]
Jon Peterson	[ ]	[ ]	[ ]	[ ]
Margaret Wasserman	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]
Alex Zinin	[ ]	[ ]	[ ]	[ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

[illegible]

Thomas Narten:

Discuss:

Substantive:

- ```
> This document introduces new mobility options to aid in
> authentication of the Mobile Node to the Home Agent or AAAH server.
> The confidentiality protection of Return Routability messages and
> authentication/integrity protection of Mobile Prefix Discovery
(MPD)
> is outside the scope of this document.
```

what is required to get RR to work in this scenario?

Even if out of scope, this document should make it clear whether there are fundamental issues or whether the details simply aren't included because 3GPP2 has no plans for using R0.

- ```
> New values for this namespace can be allocated using Standards
Action=
n
> [RFC2434].
```

seems overly restrictive. Especially since `_this_` document is informational and creates one for 3GPP2. Isn't IETF RFC good enough?

- ```
> 7. Security Considerations
>=20
> This document proposes new authentication options to authenticate
th=
e
> control message between Mobile Node, Home Agent and/or home AAA (as
> an alternative to IPsec). The new options provide for
authentication=
```

n  
 > of Binding Update and Binding Acknowledgement messages. The MN-AAA  
 > authentication options provides for authentication with AAA  
 > infrastructure. It can be used to generate a per session key  
 between=  
 n  
 > Mobile Node and Home Agent for subsequent authentication of BU/BA  
 > between Mobile Node and Home Agent via the MN-HA authentication  
 > option.

I find it odd that this document doesn't anywhere say how one  
 generates a session key, if that is indeed what this document is used  
 for...

Comment:

> responsible for performing Registration of a Mobile Node at a home  
 s/Registration/registration/? (Why capitalized?)

> and Accounting (AAA) server in Home network (AAAH) based on a  
 shared  
 > key based security association between the Mobile Node and the  
 > respective authenticating entity. This shared key based security  
 > association (shared-key based SA) may be statically provisioned or

hyphens in "shared-key-based security"?

> Mobile Node MAY use Mobile Node Identifier Option as defined in  
 s/Mobile/A Mobile/ (or The...)=20

> [MN\_Ident] or Home Address to identify itself while authenticating  
 s/Home/the Home/

> When a Binding Update or Binding Acknowledgement is received  
 without  
 > an authentication option and the entity receiving it is configured  
 t=  
 o  
 > use authentication option or has the shared-key based security  
 > association for authentication option, the entity should silently  
 > discard the received message.

the above is worded weakly. I would assume that the HA needs to be configured to require authentication, either IPsec or this method. Above can almost be read to imply that a HA might not use either.

> SPI:  
>=20  
> Security Parameter Index  
>

This document doesn't seem to define SPI precisely. It would be good to provide a reference to the proper MIP document that describes them (i.e, what their properties are, who assigns them, etc.)

> Alignment requirements :  
>=20  
> The alignment requirement for this option is  $4n + 1$ .

provide a reference to the RFC that defines the alignment requirements?

> Home Agent used within this specification consists of a SPI, a key,  
s/a SPI/an SPI/

> 16 octets in length. The authentication algorithm is HMAC\_SHA1.  
Th=  
e

Reference for HMAC\_SHA1?

> the mobility header upto and including the SPI value of this option.

s/upto/up to/ (multiple occurrences)

> The Mobility message replay protection option MAY be used in Binding

why not a should?

> If the timestamp is valid, the Home Agent copies the entire  
Timestamp=  
p  
> field into the Timestamp field in the BA it returns to the Mobile  
> Node. If the timestamp is not valid, the Home Agent copies only  
the

> low-order 32 bits into the BA, and supplies the high-order 32 bits  
> from its own time of day.

This last part seems odd.

> code MIPV6-ID-MISMATCH. The Home Agent does not create a binding  
seems like you could find a better, more intuitive name. e.g.,  
something like MIPV6-TS-INVALID (for timestamp).

> infrastructure. It can be used to generate a per session key  
between=  
n

s/per session/per-session/

"L=20

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
mip6 mailing list <mip6@ietf.org>,  
mip6 chair <basavaraj.patil@nokia.com>,  
mip6 chair <gdommety@cisco.com>

Subject: Document Action: 'Authentication Protocol for Mobile IPv6'  
to=20  
Informational RFC=20

The IESG has approved the following document:

- 'Authentication Protocol for Mobile IPv6 '  
<draft-ietf-mip6-auth-protocol-04.txt> as an Informational RFC

This document is the product of the Mobility for IPv6 Working Group.=20

The IESG contact persons are Thomas Narten and Margaret Wasserman.

Technical Summary

=20

IPsec is specified as the sole means of securing all signaling  
messages between the Mobile Node and Home agent for Mobile IPv6  
(see RFC 3775). Some deployments, and 3GPP2 in particular, desire

a different model for securing signalling between the Mobile Node and Home Agent, one that more closely fits their existing Mobile IPv4 deployments. This document proposes an alternate method for securing the signaling messages, one based on defining a MIPv6-specific authentication extension.

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Working Group Summary

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This document certainly generated controversy within the WG. There were some who argued that this approach was not appropriate and that we should just stick with "use the IPsec-based approach as defined in RFC 3775". Others argued that we should listen to an important "customer" and that it was appropriate to put this document forward on standards track, since there were likely to be many implementations. In the end, most people recognized the need to be pragmatic in dealing with the input from 3GPP2, given that 3GPP2-based mobile IPv4 is the largest current deployment of MIPv4. In the end, the WG supported moving this work forward, but as an informational document rather than on the Standards Track.

=20

Protocol Quality

=20

This document has been reviewed for the IESG by Thomas Narten.

RFC Editor Note

=20

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

=20

3.1.2 Returning Item

NONE

### 3. Document Actions=20

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"=20

##### 3.2.1 New Item - 1 of 3=20

o draft-hoffman-wais-uri-03.txt

The wais URI Scheme (Historic)=20

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-hoffman-wais-uri-03.txt to Historic=20

-----

Evaluation for draft-hoffman-wais-uri-03.txt can be found at=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[3D12240&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[c\\_flag=3D0=20](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

Last Call to expire on: 2005-02-08

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.



This document was reviewed by the URI mailing list and it and the general effort have reasonable community support.

=20

Protocol Quality

=20

This document was reviewed for the IESG by Ted Hardie.

RFC Editor Note

=20

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

=20

3. Document Actions=20

3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"=20

3.2.1 New Item - 2 of 3=20

- o draft-hoffman-prospiero-uri-03.txt

The prospero URI Scheme (Historic)=20

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-hoffman-prospiero-uri-03.txt to Historic=20

-----

Evaluation for draft-hoffman-prospiero-uri-03.txt can be found at=20



- 'The prospero URI Scheme '  
    <draft-hoffman-prospero-uri-03.txt> as a Historic

This document has been reviewed in the IETF but is not the product of an IETF Working Group.=20

The IESG contact person is Ted Hardie.

#### Technical Summary

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The prospero URI scheme was originally defined in RFC 1738. This draft i=

s part

of a larger effort to provide scheme definitions for those schemes

origi=

nally=20

defined in RFC 1738, so that RFC 1738 may be marked obsolete. This=20

scheme is being marked historic at the same time, based on its

limited=20

use in the Internet.

=20

#### Working Group Summary

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The draft was discussed on the uri mailing list, and both this draft

and=20

the general effort have reasonable community support.=20

=20

#### Protocol Quality

=20

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

=20

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

=20

### 3. Document Actions=20

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a  
reasonable  
contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"=20

##### 3.2.1 New Item - 3 of 3=20

o draft-tesink-urn-clei-00.txt

A Uniform Resource Name (URN) Namespace for the CLEI Code  
(Informational)=20  
nal)=20

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-tesink-urn-clei-00.txt to Informational  
RFC=20

-----

Evaluation for draft-tesink-urn-clei-00.txt can be found at=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[3D12669&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[c\\_flag=3D0=20](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

Last Call to expire on:=20

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Harald Alvestrand | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck  | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin    | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten     | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D

Scott Hollenbeck:

Comment:

The IANA Considerations section should probably point to the template in  
=  
section2.

"L=20

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <[rfc-editor@rfc-editor.org](mailto:rfc-editor@rfc-editor.org)>

Subject: Document Action: 'A Uniform Resource Name (URN) Namespace  
for=20

the CLEI Code' to Informational RFC=20

The IESG has approved the following document:

- 'A Uniform Resource Name (URN) Namespace for the CLEI Code '  
    <draft-tesink-urn-clei-00.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.=20

The IESG contact person is Ted Hardie.

## Technical Summary

$$= 20$$

This document describes a Uniform Resource Name (URN) namespace managed by Telcordia Technologies, Inc., as the maintenance agent for ANSI T1.213 [T1.213], for the assignment of the CLEI Code, for usage within messages standardized by ANSI. The CLEI code is a globally unique, ten-character alphanumeric intelligent

code assigned by Telcordia Technologies at the request of equipment suppliers. The CLEI code identifies communications equipment by specifying product type and features. There is a one-to-one relationship between a CLEI Code and supplier=C3=AF=C2=BF=C2=BDs Product

=  
ID

=20

Working Group Summary

=20

This document is the product of an individual submitter, but was reviewed on urn-nid list; no problems with the registration were identified during review.

=20

Protocol Quality

This document was reviewed for the IESG by Ted Hardie.=20

RFC Editor Note

=20

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

=20

3.2.2 Returning Item

NONE

3. Document Actions=20

3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible

change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.1 New Item - 1 of 1

o draft-warnicke-network-dns-resolution-05.txt

A Suggested Scheme for DNS Resolution of Networks and Gateways  
(Informational)

Note: 2005-02-23: I've reviewed this and do not believe it conflicts

=

with.

any IETF work. I think is fine to be published as an

Independent Submission.

Token: David Kessens

=

### 3. Document Actions

#### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.2 Returning Item - 1 of 2

o draft-carroll-dynmobileip-cdma-04.txt

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R) Network  
s

(Informational)

Note: 2005-02-08: IESG: this document violates a MUST NOT in radius,

=

one

that is not insignificant. I.e., it relates to security aspects/  
assumptions

underlying radius. So, it 'extends and embraces' an IETF  
protocol

in a

way that warrants IETF review/acceptance.

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-carroll-dynmobileip-cdma-04.txt to

Information=



Should there be an IESG note that says "pestilence here", or some such?

Like, for instance:

This document describes an existing deployed technology that was developed outside the IETF. It uses RADIUS in a way incompatible with the RADIUS protocol, and practices the sharing of secret keys in public-key cryptosystems, which is not a practice the IETF recommends. Do not take this document as an example of good protocol design.

Russ Housley:

Comment:

Section 4.6 states the need for integrity of the RSA public key when it is distributed to MN manufacturers. The reason given is weak. The document says that an invalid public key is programmed into a terminal, then the terminal may be denied service. This is true, but a bigger concern would be the substitution of one public key with another one, where the corresponding private key is controlled by an attacker.

PKCS #1 Version 1.5 (as identified by [9]) is used in this protocol. PKCS #1 Version 1.5 key transport is vulnerable to adaptive chosen ciphertext attacks, especially when it is used to for key management in interactive applications like this one. This attack is often referred to as the "Million Message Attack," and it is explained in [CRYPTO98] and [RSALABS]. Exploitation of this vulnerability, which reveals the result of a particular RSA decryption, requires access to an oracle which will respond to hundreds of thousands of ciphertexts, which are constructed adaptively in response to previously received replies that provide information on the successes or failures of attempted decryption operations. The AAA server is such an oracle. The security considerations need to explain how to avoid this attack. TLS includes protection against this attack by exhibiting the same behavior in the face of decryption errors.

[CRYPTO98] Bleichenbacher, D. "Chosen Ciphertext Attacks Against

Protocols Based on the RSA Encryption Standard PKCS #1,"  
in H. Krawczyk (editor), Advances in Cryptology -  
CRYPTO '98 Proceedings, Lecture Notes in Computer  
Science 1462 (1998), Springer-Verlag, pp. 1-12.

[RSALABS] Bleichenbacher, D., B. Kaliski, and J. Staddon.  
Recent Results on PKCS #1: RSA Encryption Standard.  
RSA Laboratories' Bulletin No. 7, June 26, 1998.  
[<http://www.rsasecurity.com/rsalabs/bulletins>]

Thomas Narten:

Discuss:

Placeholder. This document violates a MUST NOT of radius, one that has  
se=  
curity  
implications. Need guidance from AAA on how to proceed.

Bert Wijnen:

Comment:

Passing my DISCUSS to Thomas, since I will be off-line for (quite) a  
whil=  
e

"L=20

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <[iesg-secretary@ietf.org](mailto:iesg-secretary@ietf.org)>

To: RFC Editor <[rfc-editor@rfc-editor.org](mailto:rfc-editor@rfc-editor.org)>

Cc: The IESG <[iesg@ietf.org](mailto:iesg@ietf.org)>, <[iana@iana.org](mailto:iana@iana.org)>

Subject: Re: Informational RFC to be:=20

draft-carroll-dynmobileip-cdma-01.txt=20

The IESG has no problem with the publication of 'Dynamic Mobile IP Key  
Up=  
dat

for cdma2000(R) Networks' <[draft-carroll-dynmobileip-cdma-01.txt](#)> as  
an=20  
Informational RFC.=20

The IESG contact person is Thomas Narten.

Thank you,

The IESG Secretary

=20

### 3. Document Actions=20

#### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.=20

##### 3.3.2 Returning Item - 2 of 2=20

o draft-klensin-idn-tld-04.txt

National and Local Characters for DNS Top Level Domain (TLD)

Names=20

(Informational)=20

Note: 2005-02-10: I've reviewed this and do not believe it conflicts

=

with.=20

any IETF work. I think is fine to be published as an=20

Independent<br>Submission=20

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-klensin-idn-tld-04.txt to Informational RFC=20

-----

Evaluation for draft-klensin-idn-tld-04.txt can be found at=20

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[command=3Dview\\_id&dTag=](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[3D9452&rfc](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

[\\_flag=3D0=20](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=3Dview_id&dTag=)

Last Call to expire on:=20

Please return the full line with your position.

|                    | Yes                                 | No-Objection                        | Discuss                             | Abstain                             |
|--------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Harald Alvestrand  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Bill Fenner        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Ted Hardie         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Sam Hartman        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Scott Hollenbeck   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Russ Housley       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| David Kessens      | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Allison Mankin     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Thomas Narten      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Jon Peterson       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Margaret Wasserman | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Bert Wijnen        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Alex Zinin         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D

Ted Hardie:

Discuss:

Fundamentally, I think this is well written, but could be badly read. Knowing John's history with this topic, I believe I understand the impetus for putting forward a fourth choice in this critical architectura=

1  
discussion, and I appreciate the time and effort he has put into this.  
Knowing as well his role in the IAB during the time in which RFC 2826  
was produced, I am certain his depth of understanding of many of  
these issues exceeds my own.

But I am concerned about what will happen when this is read by someone who is not aware of this history and has no insight into the issues which

John knows so well. (And I will happily admit that my own ignorance may be driving my empathy for this position). If read by someone without a deep understanding of the need for a single DNS root and an un-partitio= ned

URI space, will this give rise to mischief? I believe it could. It is moderately

obvious that someone using local translation could  
translate  $. = C3 = A4 = C2 = B8 =$

=C2=AD =C3=A5=C5=93=E2=80=B9  
(4e2d, 570b)  
to .tw where the dominant view would translate it to .cn . A local  
trans=  
lation  
doing that has the same  
partitioning effect in URI space as multiple roots do in the DNS: it  
cre=  
ates a  
situation in which local  
resolution context over-rides the overall system's ability to ensure a  
consistent view of the namespace.

I recommend that we ask the RFC Editor not to publish this document  
until=  
it  
contains a discussion of  
this problem (hopefully using a less hot-button example than my haste  
for=  
ced me  
to use)

Scott Hollenbeck:

Comment:  
I'm recusing since I know that my employer has an interest in this  
topic.

"L=20  
---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>  
To: RFC Editor <rfc-editor@rfc-editor.org>  
Cc: The IESG <iesg@ietf.org>, <iana@iana.org>  
Subject: Re: Informational RFC to be: draft-klensin-idn-tld-04.txt=20

The IESG has no problem with the publication of 'National and Local  
Chara=  
acters  
for DNS Top Level Domain (TLD) Names' <draft-klensin-idn-tld-04.txt> as  
a=  
n=20  
Informational RFC.=20

The IESG would also like the RFC-Editor to review the comments in the=20  
datatracker=20  
([https://datatracker.ietf.org/public/pidtracker.cgi?  
command=3Dview\\_id&dTa=  
g=3D9452&rfc\\_flag=3D0](https://datatracker.ietf.org/public/pidtracker.cgi?command=3Dview_id&dTa=g=3D9452&rfc_flag=3D0))=20  
related to this document and determine whether or not they merit  
incorpor=  
ation=20  
into the document. Comments may exist in both the ballot and the comment  
=  
log.=20

The IESG contact person is Thomas Narten.

Thank you,

The IESG Secretary

RFC Editor Note:

This RFC is not a candidate for any level of Internet Standard.  
The IETF disclaims any knowledge of the fitness of this RFC for  
any purpose and notes that the decision to publish is not based on  
IETF review apart from IESG review for conflict with IETF work.  
The RFC Editor has chosen to publish this document at its  
discretion. See RFC 3932 for more information.

=20

#### 4. Working Group Actions

##### 4.1 WG Creation

###### 4.1.1 Proposed for IETF Review

NONE

#### 4. Working Group Actions

##### 4.1 WG Creation

###### 4.1.2 Proposed for Approval

- o Language Tag Registry Update (ltr) - 1 of 3

Token: Ted Hardie

## Language Tag Registry Update (LTRU)

[illegible]

Last Modified: 2005-02-24=20

Current Status: Proposed Working Group

Chair(s): Randy\_Presuhn@mindspring.com

Applications Area Director(s):

Ted Hardie <hardie@qualcomm.com>

Scott Hollenbeck <sah@428cobrajet.net>

Applications Area Advisor:

Ted Hardie <hardie@qualcomm.com>

## Mailing Lists:

General Discussion: [ltr@ietf.org](mailto:ltr@ietf.org)

To Subscribe: <https://www1.ietf.org/mailman/listinfo/ltru>

Archive: <http://www.ietf.org/mail-archive/web/ltru/index.html>

Description of Working Group:

RFC 3066 and its predecessor, RFC 1766, defined language tags for use on the Internet. Language tags are necessary for many applications, ranging from cataloging content to computer processing of text. The RFC 3066 standard for language tags has been widely adopted in various protocols and text formats, including HTML, XML, and CLDR, as the best means of identifying languages and language preferences. Since the publication of RFC 3066, however, several issues have faced implementors of language tags:

- \* Stability and accessibility of the underlying ISO standards
- \* Difficulty with registrations and their acceptance
- \* Lack of clear guidance on how to identify script and region

where=20

necessary

- \* Lack of parseability and the ability to verify well-formedness.
- \* Lack of specified algorithms, apart from pure prefix matching,=20

for operations on language tags.

=20

This working group will address these issues by developing two documents. The first is a successor to RFC 3066. It will describe the structure of the IANA registry and how the registered tags will relate to the generative mechanisms (originally described in RFC 3066, but likely to be updated by the document). In order to be complete, it will need to address each of the challenges set out above:

- For stability, it is expected that the document will describe how the meaning of language tags remains stable, even if underlying references should change, and how the structure is to remain stable in the future. For accessibility, it is to provide a mechanism for easily determining whether a particular subtag is valid as of a given date, without onerous reconstruction of the state of the underlying standard as of that time.

- For extensibility, it is expected that the document will describe how generative mechanisms could use ISO 15924 and UN M.49 codes without explicit registration of all combinations. The current registry contains pairs like uz-Cyrl/uz-Latn and sr-Cyrl/sr-Latn, but RFC 3066 contains no general mechanism or guidance for how scripts should be incorporated into language tags; this replacement document is expected to provide such a mechanism.=20

- It is also expected to provide mechanisms to support the evolution=20 of the underlying ISO standards, in particular ISO 639-3, mechanisms to support variant registration and formal extensions, as well as allowing generative private use when necessary.

- It is expected to specify a mechanism for easily identifying the role

o=

f=20

each subtag in the language tag, so that, for example, whenever a script=20

code or country code is present in the tag it can be extracted, even with=

out=20

access to a current version of the registry. Such a mechanism would clear=

ly

distinguish between well-formed and valid language tags, to allow for maximal compatibility between implementations released at different times, and thus using different versions of the registry.



=3D=3D=3D=3D=3D=3D=3D=3D

Last Modified: 2005-1-19

Current Status: Proposed Working Group

Chair(s): TBD

Internet Area Director(s):

Thomas Narten <narten@us.ibm.com>

Margaret Wasserman <margaret@thingmagic.com>

Mailing Lists:

General Discussion: lowpan@ietf.org

To Subscribe: lowpan-request@ietf.org <mailto:lowpan-request@ietf.org>  
g>

In Body: subscribe

Archive: <http://www.ietf.org/mail-archive/web/lowpan/index.html>

Description of Working Group:

Note: Given that there is not much precedent for this type of activity at=

the

IETF, the text that follows is of an introductory nature. Hence, its

obje=

ctive

is to give a general idea of the application area and motivations for

the=

work.

In particular, this section is not to be construed as detailing work

item=

s for

the working group. That is done in the following section on the "Scope

of=

the

Working Group."

Well-established fields such as control networks, and burgeoning ones such as "sensor" (or transducer) networks, are increasingly being based on wireless technologies. Most (but certainly not all) of these nodes are amongst the most constrained that have ever been networked wirelessly. Extreme low power (such that they will run potentially for years on batteries) and extreme low cost (total device cost in single

digit dollars, and riding Moore's law to continuously reduce that price point) are seen as essential enablers towards their deployment in networks with the following characteristics:

- \* Significantly more devices than current networks
- \* Severely limited code and ram space (e.g., highly desirable to fit the required code--MAC, IP and anything else needed to execute the embedded application-- in, for example, 32K of flash memory, using 8-bit microprocessors)
- \* Unobtrusive but very different user interface for configuration (e.g., using gestures or interactions involving the physical world=)
- \* Robustness and simplicity in routing or network fabric

A chief component of these devices is wireless communication technology.

In particular, the IEEE 802.15.4 standard is very promising for the lower (physical and link) layers. As for higher layer functions, there is considerable interest in using IP technology. Even though it is not currently IP-based, the ZigBee Alliance has related ongoing work. Accordingly, it is expected that the working group will coordinate and interact with it.

The required work includes items in the following (incomplete) list:

- \* IP adaptation/Packet Formats and interoperability
- \* Addressing schemes and address management
- \* Network management
- \* Routing in dynamically adaptive topologies
- \* Security, including set-up and maintenance
- \* Application programming interface
- \* Discovery (of devices, of services, etc)
- \* Implementation considerations

Whereas at least some of the above items are within the purview of the IETF, at this point it is not clear that all of them are. Accordingly, the LoWPAN working group will address a reduced, more focused set of objectives.

Scope of lowpan:

Produce "Problems Statement, Assumptions and Goals for Ipv6 for LoWPANs" (draft-ietf-lowpan-goals-assumptions-xx.txt) to define the problem statement and goals of the working group.

Produce "Transmission of IPv6 Packets over IEEE 802.15.4 WPAN Networks" (draft-ietf-lowpan-ipv6-over-802.15.4-xx.txt) to define the basic packet formats and sub-IP adaptation layer for transmission of IPv6 packets over IEEE 802.15.4. This includes framing, adaptation, header compression, address generation and a simple but sufficient mechanism for ad hoc routing based on AODV.

The working group will reuse existing specifications whenever reasonable and possible.

The working group will also serve as a venue for ongoing discussions on other topics related to the more complete list outlined above. Additional related milestones may be added in the future with AD approval.

#### Goals and Milestones:

FEB 2005

Working group last call on  
draft-ietf-lowpan-goals-assumptions-xx.txt

MAR 2005

Submit draft-ietf-lowpan-goals-assumptions-xx.txt to  
IESG=  
for

consideration of publication as Informational

MAY 2005

Working Group Last Call on  
draft-ietf-lowpan-ipv6-over-802.15.4-xx.txt

JUL 2005

Submit draft-ietf-lowpan-ipv6-over-802.15.4-xx.txt to  
IES=  
G for

consideration of publication as Proposed Standard

#### 4. Working Group Actions

- zero configuration of the hybrid devices
- ability for hosts to move without changing their IP address
- it should be possible to forward packets using pair-wise shortest

paths, and exploit the redundant paths through the network for increased aggregate bandwidth

- possible optimizations for ARP and Neighbor Discovery packets (potentially avoid flooding all the time)
- support Secure Neighbor Discovery
- the packet header should have a hop count for robustness in the presence of temporary routing loops
- nodes should be able to have multiple attachments to the network
- no delay when a new node is attached to the network
- multicast should work (and after a re-charter it might make sense to look at optimizations for IP multicast)
- be no less secure than existing bridges (and explore whether the protocol can make "L2 address theft" harder or easier to detect)

A required piece of the solution is an IP routing protocol which is extended to carry L2 address reachability, handle broadcast, and is friendly to zero-configuration. Likely candidate are the link-state routing protocols since they can easily be extended to provide for broadcast, which is believed to be difficult for distance vector protocols. This working group will define the requirements on such routing protocol(s), and select the routing protocol(s) to be used. The intent is that the actual extensions to the routing protocol(s) be performed in the WGs with expertise in the routing protocol(s).

The working group will look into solutions that can interconnect different layer 2 technologies, and also look at providing support for non-IP protocols, even though one can not combine those two features together; the interconnection of different layer 2 technologies (with different layer 2 address formats) will most likely only work for the IP family of protocols. Whether the same or different address formats are used, there might be a need to handle different MTUs.

The WG will design a protocol that combines the benefits of bridges and routers in a way that will co-exist with existing hosts, IP routers and bridges. The design must support both IPv4 and IPv6

The working group will not work any layer 3 aspects except to provide

- Possible optimizations for ARP and ND packets (not always flooded

everywhere)

- Being able to carry IP broadcast and multicast packets (which might just fall out from supporting L2 multicast)
- Defining the L3 operations needed to interconnect different L2 technologies

The work consists of several, separable pieces:

- Defining the requirement on the routing protocol(s), and select one or more routing protocols. The detailed specification of the extensions to a particular routing protocol will be left as an action item for the specific routing protocol WG.
- Defining what information must be carried in an encapsulation header for data packets, and how to map that information to various link types (e.g., IEEE LAN, Fibrechannel, MPLS)
- Defining how address resolution (ARP and Neighbor Discovery) is performed, taking into account the desire to be compatible with Secure Neighbor Discovery.
- Defining how the solution extends to the case when multiple layer 2 technologies, that have different address format/length, are interconnected.

The TRILL WG will coordinate with the L2VPN WG, as appropriate, to make sure that issues common to both groups (such as ND and ARP forwarding) are solved in a coordinated way.

#### Deliverables

- A short draft on the problem statement and goals
- A document defining what information needs to be carried in routing protocols to support the rbridge concept, and other requirements on the routing protocols.
- Encapsulation draft specifying what needs to be carried in general and the specific format to use on IEEE LANs
- ARP and ND draft
- Draft on interconnecting different types of layer 2 technologies
- Threat analysis document

## Goals and Milestones

Jun 05 Problem statement and Goals submitted to IESG for Informational  
Sep 05 Routing protocol support requirements to IESG for Informational  
Dec 05 Encapsulation document to IESG for Proposed Standard  
Sep 05 ARP & ND to IESG for Proposed Standard  
Mar 06 Interconnecting Layer 2 Technologies document to IESG for  
Proposed Standard  
Dec 05 Threat analysis to IESG for Informational  
Mar 06 Interconnecting Layer 2 Technologies document to IESG for  
Proposed Standard

### 4. Working Group Actions

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

NONE

### 4. Working Group Actions

#### 4.2 WG Rechartering

##### 4.2.2 Proposed for Approval

NONE

### 5. Working Group News We Can Use

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=20

=20

Harald Alvestrand

Bill Fenner

Ted Hardie

Sam Hartman

Scott Hollenbeck

Russ Housley

David Kessens

Allison Mankin

Thomas Narten

Jon Peterson

Margaret Wasserman

Bert Wijnen

Alex Zinin

### 6. IAB News We Can Use

## 7. Management Issues

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id RAA12992  
for <iesg-archive@lists.ietf.org>; Mon, 28 Feb 2005 17:04:08 -0500  
(EST)  
Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1D5syT-00020D-Kp; Mon, 28 Feb 2005 17:02:45 -0500  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1D5syR-000205-20  
for iesg@megatron.ietf.org; Mon, 28 Feb 2005 17:02:43 -0500  
Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id RAA12934;  
Mon, 28 Feb 2005 17:02:40 -0500 (EST)  
Message-Id: <200502282202.RAA12934@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org  
Date: Mon, 28 Feb 2005 17:02:40 -0500  
Cc: bfuller@foretec.com, amyk@foretec.com  
Subject: UPDATED Agenda and Package for March 3, 2005 Telechat  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

### INTERNET ENGINEERING STEERING GROUP (IESG)

Summarized Agenda for the March 3, 2005 IESG Teleconference

This agenda was generated at 16:2:57 EDT, February 28, 2005

## 1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects
  - <http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-mpls-bundle-06.txt  
Link Bundling in MPLS Traffic Engineering (Proposed Standard) - 1 of 13  
Note: Has been pulled out of rfc-ed queue for a problem fix. Back to IESG to approve the changes.  
Token: Alex Zinin
- o draft-ietf-msec-mikey-dhmac-09.txt  
HMAC-authenticated Diffie-Hellman for MIKEY (Proposed Standard) - 2 of 13  
Token: Russ Housley
- o Two-document ballot: - 3 of 13
  - draft-ietf-dccp-ccid2-08.txt  
Profile for DCCP Congestion Control ID 2:TCP-like Congestion Control (Proposed Standard)
  - draft-ietf-dccp-ccid3-09.txt  
Profile for DCCP Congestion Control ID 3:TFRC Congestion Control (Proposed Standard)Token: Allison Mankin
- o draft-ietf-dccp-spec-09.txt  
Datagram Congestion Control Protocol (DCCP) (Proposed Standard) - 4 of 13  
Token: Allison Mankin
- o Two-document ballot: - 5 of 13
  - draft-ietf-vpim-routing-09.txt  
Voice Message Routing Service (Proposed Standard)
  - draft-ietf-vpim-vpimdir-10.txt

Voice Messaging Directory Service (Proposed Standard)

Token: Scott Hollenbeck

- o draft-ietf-mpls-explicit-null-02.txt

Removing a Restriction on the use of MPLS Explicit NULL (Proposed Standard)

- 6 of 13

Token: Alex Zinin

- o draft-ietf-mpls-rsvp-te-attributes-04.txt

Encoding of Attributes for Multiprotocol Label Switching (MPLS)

Label

Switched Path (LSP) Establishment Using RSVP-TE (Proposed Standard)

- 7 of

13

Token: Alex Zinin

- o draft-ietf-ipv6-link-scoped-mcast-08.txt

Link Scoped IPv6 Multicast Addresses (Proposed Standard) - 8 of 13

Token: Margaret Wasserman

- o draft-ietf-ipv6-rfc2462bis-07.txt

IPv6 Stateless Address Autoconfiguration (Draft Standard) - 9 of 13

Token: Margaret Wasserman

- o draft-ietf-msec-ipsec-signatures-04.txt

The Use of RSA Signatures within ESP and AH (Proposed Standard) - 10 of 13

Token: Russ Housley

- o draft-ietf-sasl-anon-05.txt

The Anonymous SASL Mechanism (Proposed Standard) - 11 of 13

Token: Sam Hartman

- o draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt

An Extensible Markup Language (XML) Configuration Access Protocol (XCAP)

Usage for Manipulating Presence Document Contents (Proposed Standard) - 12

of 13

Token: Ted Hardie

- o draft-ietf-mip6-mn-ident-option-02.txt

Mobile Node Identifier Option for Mobile IPv6 (Proposed Standard) - 13 of

13

Token: Thomas Narten

## 2.1.2 Returning Item

- o draft-ietf-pkix-rfc2511bis-08.txt

Internet X.509 Public Key Infrastructure Certificate Request Message Format

(CRMF) (Proposed Standard) - 1 of 1

Note: Significant changes have been made since the last time the

IESG

looked at this document.&nbsp; I want to make sure that everyone is satisfied before approving it.

Token: Russ Housley

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-gellens-submit-bis-01.txt

Message Submission (Draft Standard) - 1 of 1

Token: Ted Hardie

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-pwe3-tdm-requirements-06.txt

Requirements for Edge-to-Edge Emulation of TDM Circuits over Packet Switching Networks (PSN) (Informational) - 1 of 4

Note: 2005-02-08: chairs indicate a respin is in the works in response to

AD review comments.

Token: Thomas Narten

- o draft-ietf-nsis-rsvp-sec-properties-06.txt

RSVP Security Properties (Informational) - 2 of 4

Token: Allison Mankin

- o draft-ietf-ipdvb-arch-03.txt

A Framework for transmission of IP datagrams over MPEG-2 Networks (Informational) - 3 of 4

Token: Margaret Wasserman

- o draft-ietf-mip6-auth-protocol-04.txt

Authentication Protocol for Mobile IPv6 (Informational) - 4 of 4

Note: 2005-02-15: Has a normative dependency on.

draft-ietf-mip6-mn-ident-option-02.txt, which needs to go through

IETF. LC

first.

Token: Thomas Narten

### 3.1.2 Returning Item

NONE

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.2.1 New Item

- o draft-hoffman-wais-uri-03.txt  
The wais URI Scheme (Historic) - 1 of 4  
Token: Ted Hardie
- o draft-hoffman-prospiero-uri-03.txt  
The prospero URI Scheme (Historic) - 2 of 4  
Token: Ted Hardie
- o draft-adrangi-eap-network-discovery-10.txt  
Mediating Network Discovery in the Extensible Authentication Protocol (EAP)  
(Informational) - 3 of 4  
Token: Margaret Wasserman
- o draft-tesink-urn-clei-00.txt  
A Uniform Resource Name (URN) Namespace for the CLEI Code  
(Informational) - 4 of 4  
Token: Ted Hardie

#### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.1 New Item

- o draft-warnicke-network-dns-resolution-05.txt  
A Suggested Scheme for DNS Resolution of Networks and Gateways  
(Informational) - 1 of 1  
Note: 2005-02-23: I've reviewed this and do not believe it conflicts with.  
any IETF work. I think is fine to be published as an Independent.  
Submission.

Token: David Kessens

### 3.3.2 Returning Item

- o draft-carroll-dynmobileip-cdma-04.txt

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R)

Networks

(Informational) - 1 of 2

Note: 2005-02-08: IESG: this document violates a MUST NOT in radius, one

that is not insignificant. I.e., it relates to security aspects/assumptions

underlying radius. So, it 'extends and embraces' an IETF protocol in a

way that warrants IETF review/acceptance.

Token: Thomas Narten

- o draft-klensin-idn-tld-04.txt

National and Local Characters for DNS Top Level Domain (TLD) Names

(Informational) - 2 of 2

Note: 2005-02-10: I've reviewed this and do not believe it conflicts with.

any IETF work. I think is fine to be published as an Independent.

Submission

Token: Thomas Narten

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Better-Than-Nothing Security (btns) - 1 of 1

Token: Sam Hartman

#### 4.1.2 Proposed for Approval

- o Language Tag Registry Update (ltrv) - 1 of 3

Token: Ted Hardie

- o IPv6 over IEEE 802.15.4 (lowpan) - 2 of 3

Token: Thomas Narten

- o Transparent Interconnection of Lots of Links (trill) - 3 of 3

Token: Margaret Wasserman

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

NONE

## 5. Agenda Working Group News

## 6. IAB News We can use

## 7. Management Issue

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### INTERNET ENGINEERING STEERING GROUP (IESG) Agenda for the March 3, 2005 IESG Teleconference

This package was generated at 16:2:57 EDT, February 28, 2005.

#### 1. Administrivia

##### 1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, March 3, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Harald Alvestrand---Will call in  
Rob Austein---Will call in  
Brian Carpenter---Will call in  
Steve Conte---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Aaron Falk---Will call in  
Bill Fenner---Will call in

Barbara Fuller---Will call in  
Ted Hardie---Regrets  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in  
David Kessens---Will call in  
Allison Mankin---Will call in  
Thomas Narten--- Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

Argentina Dial-In #: 08006660275

Australia Dial-In #: 1800004017  
Austria Dial-In #: 0800293225  
Bahamas Dial-In #: 18003890371  
Belgium Dial-In #: 080070189  
Brazil Dial-In #: 08008916634  
China Dial-In #: 108001400446  
Colombia Dial-In #: 018009198732  
Czech Republic Dial-In #: 800142528  
Denmark Dial-In #: 80880221  
Dominican Republic Dial-In #: 18887514594  
Finland Dial-In #: 0800112488  
France Dial-In #: 0800917496  
Germany Dial-In #: 08001818365  
Greece Dial-In #: 0080016122038903  
Hong Kong Dial-In #: 800901760  
Hungary Dial-In #: 0680015661  
Iceland Dial-In #: 8008234  
Indonesia Dial-In #: 008800105397  
Ireland Dial-In #: 1800550668  
Israel Dial-In #: 18009458905  
Japan Dial-In #: 00531160236  
Korea (South) Dial-In #: 00308140464  
Latvia Dial-In #: 8002033  
Lithuania Dial-In #: 880030145  
Luxembourg Dial-In #: 80024217  
Malaysia Dial-In #: 1800807300  
Mexico Dial-In #: 0018005148732  
Monaco Dial-In #: 80093175  
Netherlands Dial-In #: 08000235265  
New Zealand Dial-In #: 0800441382  
Norway Dial-In #: 80013184  
Poland Dial-In #: 008001114592  
Portugal Dial-In #: 800819682  
Puerto Rico Dial-In #: 18664031409  
Russian Federation Dial-In #: 81080022581012  
Saint Kitts and Nevis Dial-In #: 18007449294  
Singapore Dial-In #: 8001011359  
Spain Dial-In #: 900981518  
South Africa Dial-In #: 0800994887  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905  
Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012

Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

1.3 Approval of the Minutes  
DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the February 17, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

-----

Harald Alvestrand / Cisco  
Rob Austein / ISC (IAB Liaison)  
Steve Conte / ICANN (IANA)  
Michelle Cotton / ICANN (IANA)  
Leslie Daigle / Verisign (IAB)  
Aaron Falk / ISI (RFC Editor)  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / VeriSign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Thomas Narten / IBM  
Joyce K. Reynolds / ISI (RFC Editor)  
Dinara Suleymanova / IETF Secretariat  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / ThingMagic  
Alex Zinin / Alcatel

## REGRETS

-----

Jon Peterson / NeuStar, Inc.  
Bert Wijnen / Lucent

## MINUTES

-----

### 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the February 3, 2005 Teleconference were approved.  
The Secretariat will place the minutes in the public archives.

#### 1.2 Documents Approved Since the February 3, 2005 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-ipcdn-qos-mib-12.txt (Proposed Standard)
- o draft-ietf-ldapbis-url-09.txt (Proposed Standard)
- o draft-ietf-entmib-v3-07.txt (Proposed Standard)
- o draft-ietf-adslmib-vdsl-ext-scm-08.txt (Proposed Standard)
- o draft-ietf-adslmib-vdsl-ext-mcm-06.txt (Proposed Standard)

##### 1.2.2 Document Actions

- o draft-haverinen-pppext-eap-sim-16.txt (Informational RFC)
- o draft-arkko-pppext-eap-aka-15.txt (Informational RFC)
- o draft-ietf-trade-voucher-vtsapi-06.txt (Informational RFC)
- o draft-ietf-lemonade-goals-05.txt (Informational RFC)
- o draft-ietf-dna-goals-04.txt (Informational RFC)
- o draft-huston-ip6-iana-registry-05.txt (Informational RFC)

#### 1.3 Review of Action Items

##### DONE:

- o Margaret Wasserman to send new text for the TRILL WG announcement to the Secretariat.

##### DELETED:

##### NONE

##### IN PROGRESS:

- o Applications ADs to evaluate the situation with regards to MIME type review, and see how we can ensure the review turnaround times specified in the MIME registration procedures.
- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited

documents.

- o Allison Mankin to talk to Geoff Huston about reopening his Quality of Service RFC.
- o Allison Mankin to suggest updated reminder text for the agenda package for the RFC Editor documents section.
- o David Kessens to suggest a change to the WG chartering procedures so that milestones are included in the public review messages.
- o The Internet ADs to work with the Routing ADs to determine a co-chair and technical advisor for the TRILL  
WG to get adequate coverage from the Routing Area.

NEW:

- o Harald Alvestrand to propose an initial time line for the IESG's IAOC member selection.

## 1.4 Review of Projects

### 2. Protocol Actions

#### 2.1 WG Submissions

##### 2.1.1 New Item

- o draft-ietf-idr-bgp-ext-communities-08.txt - 1 of 6  
BGP Extended Communities Attribute (Proposed Standard)  
Token: Bill Fenner

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand, Russ Housley, David Kessens, Thomas Narten, and Alex Zinin.\*

- o draft-ietf-mmusic-kmgmt-ext-13.txt - 2 of 6  
Key Management Extensions for Session Description Protocol (SDP) and Real Time Streaming Protocol  
(RTSP) (Proposed Standard)  
Token: Jon Peterson

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman and Russ Housley.\*

- o draft-ietf-mmusic-sdescriptions-09.txt - 3 of 6  
Session Description Protocol Security Descriptions for Media Streams  
(Proposed Standard)  
Token: Jon Peterson

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley.\*

o draft-ietf-rohc-context-replication-06.txt - 4 of 6

RObust Header Compression (ROHC):Context Replication for ROHC Profiles  
(Proposed Standard)

Token: Allison Mankin

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-simple-xcap-06.txt - 5 of 6

The Extensible Markup Language (XML) Configuration Access Protocol  
(XCAP) (Proposed Standard)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley and Margaret Wasserman.\*

o draft-ietf-simple-xcap-list-usage-05.txt - 6 of 6

Extensible Markup Language (XML) Formats for Representing Resource Lists  
(Proposed Standard)

Token: Ted Hardie

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

### 2.1.2 Returning Item

o draft-ietf-sip-sctp-06.txt - 1 of 1

The Stream Control Transmission Protocol (SCTP) as a Transport for the Session

Initiation Protocol (SIP) (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman.\*

## 2.2 Individual Submissions

### 2.2.1 New Item

o draft-lee-tls-seed-01.txt - 1 of 3

Addition of SEED Ciphersuites to Transport Layer Security (TLS)  
(Proposed Standard)

Token: Russ Housley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Russ Housley. The Secretariat will send an individual submission

Protocol Action Announcement that includes the RFC Editor Note.

o draft-strombergson-shf-05.txt - 2 of 3  
The Standard Hexdump Format (Proposed Standard)  
Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand and Scott Hollenbeck.\*

o draft-bellovin-mandate-keymgmt-03.txt - 3 of 3  
Guidelines for Cryptographic Key Management (BCP)  
Token: Sam Hartman

The document was approved by the IESG pending an RFC Editor Note to be prepared by Sam Hartman. The Secretariat will send an individual submission Protocol Action Announcement that includes the RFC Editor Note.

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-mip6-ro-sec-02.txt - 1 of 4  
Mobile IP version 6 Route Optimization Security Design Background (Informational)  
Token: Thomas Narten

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

o draft-ietf-rohc-tcp-requirements-08.txt - 2 of 4  
Requirements for ROHC IP/TCP Header Compression (Informational)  
Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Document Action Announcement that includes the RFC Editor Note.

o draft-ietf-rohc-tcp-field-behavior-04.txt - 3 of 4  
TCP/IP Field Behavior (Informational)  
Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Allison Mankin.\*

o draft-ietf-l3vpn-mgt-fwk-03.txt - 4 of 4

Framework for L3VPN Operations and Management (Informational)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand.\*

### 3.1.2 Returning Item

o draft-ietf-fax-gateway-options-08.txt - 1 of 2

Guideline of optional services for Internet FAX Gateway (Informational)

Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

o draft-ietf-fax-gateway-protocol-12.txt - 2 of 2

Internet FAX Gateway Functions (Informational)

Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

## 3.2 Individual Submissions Via AD

### 3.2.1 New Item

o draft-sinnreich-sipdev-req-05.txt - 1 of 4

SIP Telephony Device Requirements and Configuration (Informational)

Token: Jon Peterson

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand, Ted Hardie, Russ Housley, and David Kessens.\*

o draft-hall-mime-app-mbox-04.txt - 2 of 4

The APPLICATION/MBOX Media-Type (Informational)

Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send an individual submission Document Action Announcement.

o Three-document ballot: - 3 of 4

- draft-katz-submitter-00.txt

SMTP Service Extension for Indicating the Responsible Submitter of an E-mail

Message (Experimental)

- draft-lyon-senderid-core-00.txt

Sender ID: Authenticating E-Mail (Experimental)

- draft-lyon-senderid-pra-00.txt

Purported Responsible Address in E-Mail Messages (Experimental)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman, Scott Hollenbeck, Russ Housely, and David Kessens.\*

o draft-schlitt-spf-classic-00.txt - 4 of 4

Sender Policy Framework: Authorizing Use of Domains in E-MAIL (Experimental)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley.\*

### 3.2.2 Returning Item

o draft-kindberg-tag-uri-07.txt - 1 of 1

The 'tag' URI scheme (Informational)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman.\*

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

o draft-zeilenga-ldup-sync-06.txt - 1 of 2

LDAP Content Synchronization Operation (Experimental)

Token: Ted Hardie

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be prepared by Ted Hardie.

o draft-melsen-mac-forced-fwd-03.txt - 2 of 2

MAC-Forced Forwarding: A Method for Traffic Separation on an Ethernet Access

Network (Informational)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Margaret Wasserman.\*

### 3.3.2 Returning Item

o draft-carroll-dynmobileip-cdma-04.txt - 1 of 4

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R) Networks  
(Informational)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Thomas Narten.\* The Secretariat will place the document on the agenda for the next IESG Teleconference (03/03/2005) at the request of the shepherding AD.

o Two-document ballot: - 2 of 4

- draft-sjkoh-rmt-bb-tree-config-03.txt

Reliable Multicast Transport Building Block: Tree Auto-Configuration  
(Informational)

- draft-chiu-rmt-bb-track-03.txt

Reliable Multicast Transport Building Block:Tree based ACK (TRACK)  
Mechanisms (Informational)

Token: Allison Mankin

The IESG recommends that the RFC Editor does not publish these documents. The Secretariat will send a "do not publish" message to the RFC Editor that includes an IESG Note to be prepared by Allison Mankin.

o draft-klensin-idn-tld-04.txt - 3 of 4

National and Local Characters for DNS Top Level Domain (TLD) Names  
(Informational)

Token: Thomas Narten

The document was deferred to the next teleconference (03/03/2005) by Ted Hardie.

o draft-shirasaki-dualstack-service-04.txt - 4 of 4

A Model of IPv6/IPv4 Dual Stack Internet Access Service (Informational)

Token: Thomas Narten

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be prepared by Thomas Narten.

### 3.3.3 For Action

o draft-ford-midcom-p2p-03.txt - 1 of 1

Peer-to-Peer communication across Middleboxes (Informational)

Token: Jon Peterson

The document was discussed. The RFC Editor promised to ask the author

whether he was  
still interested in having the document published as an RFC Editor  
submission, since other  
people had said he was no longer interested in publishing.

#### 4. Working Group Actions

##### 4.1 WG Creation

###### 4.1.1 Proposed for IETF Review

o Language Tag Registry Update (ltrv) - 1 of 1

Token: Ted Hardie

The IESG approved the draft WG charter for IETF review pending an edited  
charter to be

provided by Ted Hardie. The Secretariat will send a WG Review  
announcement, with a  
separate message to new-work@ietf.org. The Secretariat will place the  
WG on the agenda  
for the next IESG Teleconference (03/03/2005).

###### 4.1.2 Proposed for Approval

o Network Time Protocol (ntp) - 1 of 3

Token: Thomas Narten

The IESG approved the charter for the new working group pending an  
edited charter to be

provided by Thomas Narten. The Secretariat will send a WG Action  
announcement that  
includes the edited charter.

o IPv6 over IEEE 802.15.4 (lowpan) - 2 of 3

Token: Thomas Narten

The IESG decided not to approve the WG charter at this time. The  
Secretariat will place it back  
on the agenda in the same section for the next IESG Teleconference  
(03/03/2005).

o Transparent Interconnection of Lots of Links (trill) - 3 of 3

Token: Margaret Wasserman

The WG charter was discussed. The IESG decided to allow additional time  
for community and  
IEEE feedback. The Secretariat will place it back on the agenda in the  
same section for the next  
IESG Teleconference (03/03/2005).

## 4.2 WG Rechartering

### 4.2.1 Under evaluation for IETF Review

NONE

### 4.2.2 Proposed for Approval

NONE

## 5. Working Group News We Can Use

## 6. IAB News We Can Use

## 7. Management Issues

### 7.1 MIME Type registration: Updated Registration of media type "application/nss" (Scott Hollenbeck)

The management issue was discussed. The IESG approved the MIME Type registration for "application/nss."

### 7.2 Criteria for IAOC members to Nomcom (Harald Alvestrand)

The management issue was discussed. The IESG decided to take this discussion to email, and plans to send the qualifications necessary for IAOC members to the NomCom by Monday, February 21, 2005.

### 7.3 IESG Procedure for Picking IAOC Member (Harald Alvestrand)

The management issue was discussed.  
Action item: Harald Alvestrand to propose an initial time line for the IESG's IAOC member selection.

-----  
\* Please see the ID Tracker (<https://datatracker.ietf.org/public/pidtracker.cgi>) for details on documents that are under discussion by the IESG.

## 1. Administrivia

### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: February 21, 2005

- IP o Applications ADs to evaluate the situation with regards to MIME type review, and see how we can ensure the review turnaround times specified in the MIME registration procedures.
- IP o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.
- IP o Allison Mankin to talk to Geoff Huston about reopening his Quality of Service RFC.
- IP o Allison Mankin to suggest updated reminder text for the agenda package for the RFC Editor documents section.
- IP o David Kessens to suggest a change to the WG chartering procedures so that milestones are included in the public review messages.
- IP o The Internet ADs to work with the Routing ADs to determine a co-chair and technical advisor for the TRILL WG to get adequate coverage from the Routing Area.
- IP o Harald Alvestrand to propose an initial time line for the IESG's IAOC member selection.

## 1. Administrivia

### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the

Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 1 of 13

o draft-ietf-mpls-bundle-06.txt

Link Bundling in MPLS Traffic Engineering (Proposed Standard)

Note: Has been pulled out of rfc-ed queue for a problem fix. Back to IESG

to approve the changes.

Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Template for draft-ietf-mpls-bundle - Link Bundling in  
MPLS Traffic Engineering to Proposed Standard

-----

Last Call to expire on: August 13, 2002

Please return the full line with your position.

Yes      No-Objection      Discuss \*      Abstain

|                    |     |       |       |     |
|--------------------|-----|-------|-------|-----|
| Harald Alvestrand  | [ ] | [ X ] | [ ]   | [ ] |
| Bill Fenner        | [ ] | [ X ] | [ ]   | [ ] |
| Ted Hardie         | [ ] | [ ]   | [ ]   | [ ] |
| Sam Hartman        | [ ] | [ ]   | [ ]   | [ ] |
| Scott Hollenbeck   | [ ] | [ X ] | [ ]   | [ ] |
| Russ Housley       | [ ] | [ ]   | [ ]   | [ ] |
| David Kessens      | [ ] | [ ]   | [ ]   | [ ] |
| Allison Mankin     | [ ] | [ X ] | [ ]   | [ ] |
| Thomas Narten      | [ ] | [ X ] | [ ]   | [ ] |
| Jon Peterson       | [ ] | [ ]   | [ ]   | [ ] |
| Margaret Wasserman | [ ] | [ ]   | [ ]   | [ ] |
| Bert Wijnen        | [ ] | [ X ] | [ ]   | [ ] |
| Alex Zinin         | [ ] | [XX ] | [ X ] | [ ] |

|                  |       |       |       |     |
|------------------|-------|-------|-------|-----|
| Steve Bellovin   | [ ]   | [ X ] | [ ]   | [ ] |
| Scott Bradner    | [ X ] | [ ]   | [ ]   | [ ] |
| Randy Bush       | [ ]   | [XX ] | [ X ] | [ ] |
| Patrik Faltstrom | [ ]   | [ X ] | [ ]   | [ ] |
| Ned Freed        | [ ]   | [ X ] | [ ]   | [ ] |
| Erik Nordmark    | [ ]   | [ X ] | [ ]   | [ ] |

Jeff Schiller        [   ]        [ X ]        [   ]        [   ]

2/3 (9) Yes or No-Objection opinions needed to pass.

\* Indicate reason if 'Discuss'.

DISCUSS

=====

Alex: Same as for mpls-lsp-hierarchy: the draft contains OSPF & ISIS related details and I don't remember it being LC'ed or reviewed in the corresponding WGs.

Randy: needs to explain WHY/WHEN <id, label> is not sufficient

As further stated in [GMPLS-ROUTING], depending on the nature of resources that form a particular TE link, for the purpose of GMPLS signaling in some cases a combination of <link identifier, label> is sufficient to unambiguously identify the appropriate resource used by an LSP. In other cases, a combination of <link identifier, label> is not sufficient. Such cases are handled by using the link bundling construct which is described in this document.

---

sec cons wimpy. e.g. could i not attack by signaling a phony bundled link and thus overshadow a component link?

^L

To: IETF-Announce;;

Dcc: \*\*\*\*\*

Cc: RFC Editor <rfc-editor@isi.edu>,

Internet Architecture Board <iab@iab.org>, mpls@uu.net

From: The IESG <iesg-secretary@ietf.org>

Subject: Protocol Action: Link Bundling in MPLS Traffic Engineering  
to Proposed Standard

-----

The IESG has approved the Internet-Draft Link Bundling in MPLS Traffic Engineering <draft-ietf-mpls-bundle-04.txt> as a Proposed Standard. This document is the product of the Multiprotocol Label

Switching Working Group. The IESG contact persons are Bert Wijnen and Scott Bradner.

## Technical Summary

A MPLS Traffic Engineering (TE) link is a logical construct that represents a way to group/map the information about certain physical resources (and their properties) that interconnect Label Switch Routers into the information that is used by Constrained SPF for the purpose of path computation, and by GMPLS signaling.

Depending on the nature of resources that form a particular MPLS TE link, for the purpose of GMPLS signaling in some cases a combination of <link identifier, label> is sufficient to unambiguously identify the appropriate resource used by an Label Switched Path. In other cases, a combination of <link identifier, label> is not sufficient. The latter cases are handled by using the link bundling construct that is described in this document.

## Working Group Summary

The MPLS working group supported publication of this document.

## Protocol Quality

This document was reviewed for the IESG by Scott Bradner.

## RFC Editor:

Insert the following paragraph after the second paragraph in Section 4 (Link Bundling):

As an example consider a TE link between a pair of SONET/SDH cross connects, where this TE link is composed of several fibers. In this case the label is a TDM time slot, and moreover, this time slot is significant only within a particular fiber. Thus, when signaling an LSP over such a TE link, one needs to specify not just the identity of the link, but also the identity of a particular fiber within that TE link, as well as a particular label (time slot) within that fiber.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 13

- o draft-ietf-msec-mikey-dhmac-09.txt  
HMAC-authenticated Diffie-Hellman for MIKEY (Proposed Standard)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-msec-mikey-dhmac-09.txt to Proposed Standard

-----

Evaluation for draft-ietf-msec-mikey-dhmac-09.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9276&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9276&rfc_flag=0)

Last Call to expire on: 2005-02-15

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

msec mailing list <msec@securemulticast.org>, msec chair

<canetti@watson.ibm.com>, msec chair <canetti@watson.ibm.com>, msec

chair

<thardjono@verisign.com>

Subject: Protocol Action: 'HMAC-authenticated Diffie-Hellman for  
MIKEY' to Proposed Standard

The IESG has approved the following document:

- 'HMAC-authenticated Diffie-Hellman for MIKEY '  
<draft-ietf-msec-mikey-dhmac-06.txt> as a Proposed Standard

This document is the product of the Multicast Security Working Group.

The IESG contact persons are Russ Housley and Steve Bellovin.

#### Technical Summary

This document describes a light-weight point-to-point key management protocol variant for the multimedia Internet keying (MIKEY) protocol MIKEY, as defined in RFC 3830. In particular, this variant deploys the classic Diffie-Hellman key agreement protocol for key establishment featuring perfect forward secrecy in conjunction with a keyed hash message authentication code for achieving mutual authentication and message integrity of the key management messages exchanged. This protocol addresses the security and performance constraints of multimedia key management in MIKEY.

#### Working Group Summary

The MSEC Working Group reached consensus on this document.

#### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 13

##### o Two-document ballot:

- draft-ietf-dccp-ccid2-08.txt

Profile for DCCP Congestion Control ID 2:TCP-like Congestion Control

(Proposed Standard)

- draft-ietf-dccp-ccid3-09.txt

Profile for DCCP Congestion Control ID 3:TFRC Congestion Control

(Proposed Standard)

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dccp-ccid2-08.txt to Proposed Standard,  
draft-ietf-dccp-ccid3-09.txt to Proposed Standard

-----

Evaluation for draft-ietf-dccp-ccid2-08.txt, draft-ietf-dccp-ccid3-09.txt can

be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9477&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9477&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                   | Yes | No-Objection | Discuss | Abstain |
|-------------------|-----|--------------|---------|---------|
| Harald Alvestrand | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck  | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |     |     |     |
|--------------------|-------|-----|-----|-----|
| Russ Housley       | [ ]   | [ ] | [ ] | [ ] |
| David Kessens      | [ ]   | [ ] | [ ] | [ ] |
| Allison Mankin     | [ X ] | [ ] | [ ] | [ ] |
| Thomas Narten      | [ ]   | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ]   | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ]   | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ]   | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ]   | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

dccp mailing list <dccp@ietf.org>,

dccp chair <falk@isi.edu>

Subject: Protocol Action: 'Profile for DCCP Congestion Control ID  
2:TCP-like Congestion Control' to Proposed Standard

The IESG has approved the following documents:

- 'Profile for DCCP Congestion Control ID 3:TFRC Congestion Control '  
<draft-ietf-dccp-ccid3-09.txt> as a Proposed Standard
- 'Profile for DCCP Congestion Control ID 2:TCP-like Congestion Control  
,  
<draft-ietf-dccp-ccid2-08.txt> as a Proposed Standard

These documents are products of the Datagram Congestion Control Protocol Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### \* Technical Summary

The Datagram Congestion Control Protocol (DCCP) is a transport protocol that provides bidirectional unicast connections of congestion-controlled unreliable datagrams. DCCP is suitable for applications that transfer fairly large amounts of data, but can

benefit from control over the tradeoff between timeliness and reliability. TCP is not well-suited for these applications, since reliable in-order delivery and congestion control can cause arbitrarily long delays. UDP avoids long delays, but UDP applications that implement congestion control must do so on their own. DCCP provides built-in congestion control, including ECN support, for unreliable datagram flows, avoiding the arbitrary delays associated with TCP. It also implements mechanisms for reporting loss, reliable connection setup, teardown, and feature negotiation. The congestion control mechanisms are defined in Congestion Control Profile documents, known as CCIDs.

The profile for Congestion Control Identifier 2, TCP-like Congestion Control, should be used by senders who would like to take advantage of the available bandwidth in an environment with rapidly changing conditions and who are able to adapt to the abrupt changes in the congestion window typical of TCP's Additive Increase Multiplicative Decrease (AIMD) congestion control.

The profile for Congestion Control Identifier 3, TCP-Friendly Rate Control (TFRC), should be used by senders that want a TCP-friendly sending rate, possibly with Explicit Congestion Notification (ECN), while minimizing abrupt rate changes.

#### \* Working Group Summary

The working group reached strong consensus on CCID 2 and 3, following a very detailed review of both.

#### \* Protocol Quality

The mid-development review of DCCP, described in the DCCP writeup, considered the CCIDs as well.

New CCID development for applications not suited by these have begun in the working group. Implementation and deployment experience with DCCP congestion control profiles are encouraged by the Transport Area.

The reviewer for the IESG was Allison Mankin.

RFC Editor Note

(If any)

IANA Note

(If any)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 13

- o draft-ietf-dccp-spec-09.txt

Datagram Congestion Control Protocol (DCCP) (Proposed Standard)

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dccp-spec-09.txt to Proposed Standard

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Evaluation for draft-ietf-dccp-spec-09.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9580&rfc_flag=0)

[command=view\\_id&dTag=9580&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9580&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Harald Alvestrand | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck  | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin    | [ X ] | [ ]          | [ ]     | [ ]     |
| Thomas Narten     | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

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^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

dccp mailing list <dccp@ietf.org>,

dccp chair <falk@isi.edu>

Subject: Protocol Action: 'Datagram Congestion Control Protocol (DCCP)' to Proposed Standard

The IESG has approved the following document:

- 'Datagram Congestion Control Protocol (DCCP) ' <draft-ietf-dccp-spec-09.txt> as a Proposed Standard

This document is the product of the Datagram Congestion Control Protocol Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### \*√. √. Technical Summary

The Datagram Congestion Control Protocol (DCCP) is a transport protocol that provides bidirectional unicast connections of congestion-controlled unreliable datagrams.√. DCCP is suitable for applications that transfer fairly large amounts of data, but can benefit from control over the tradeoff between timeliness and reliability.√. TCP is not well-suited for these applications, since reliable in-order delivery and congestion control can cause arbitrarily long delays.√. UDP avoids long delays, but UDP applications that implement congestion control must do so on their own.√. DCCP provides built-in congestion control, including ECN support, for unreliable datagram flows, avoiding the arbitrary delays associated

with TCP. It also implements mechanisms for reporting loss, reliable connection setup, teardown, and feature negotiation. The congestion control mechanisms are defined in Congestion Control Profile documents, known as CCIDs.

#### Working Group Summary

There is a strong working group consensus to develop this protocol. The applicability of DCCP to interactive real-time multimedia flows has been somewhat controversial in the working group. The DCCP protocol specification has been developed with just two initial congestion control profiles, companions to this publication, draft-ietf-dccp-ccid2, and draft-ietf-dccp-ccid3. However, the modular nature of the protocol enables the core specification to be completed while work proceeds on congestion control profiles for interactive real-time applications. There is clear and strong support for applying DCCP to non-realtime streaming and growing interest in other applications as well.

#### Protocol Quality

DCCP has received extensive transport and cross-disciplinary review. Written "expert reviews" were conducted by Eric Rescorla (a security expert), Magnus Westerlund (a multimedia expert and AVT wg chair), and Greg Minshall (a TCP expert), generating many detailed comments and substantive improvements in the protocol. The expert review was followed by a working group "design review" at IETF-57 where the working group and invited experts -- Magnus Westerlund (multimedia), Steve Bellovin (security), and Rob Austein (architecture) -- walked through the spec in detail resulting in additional comments and substantive changes. Additionally, formal modeling was performed showing that DCCP is deadlock-free. The protocol is as mature as is possible without significant implementation experience. The three known implementations were started early in the life of the specification and one (from ICIR) resulted in some relatively major changes to the spec. Recently, it has become known that Kame FreeBSD contains an implementation of DCCP, albeit not matching the final version of the spec. It is expected that feedback from implementors and users will result in further improvements and revisions.

The IESG review of the specification was done by Allison Mankin.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 13

##### o Two-document ballot:

- draft-ietf-vpim-vpimdir-10.txt

Voice Messaging Directory Service (Proposed Standard)

- draft-ietf-vpim-routing-09.txt

Voice Message Routing Service (Proposed Standard)

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-vpim-routing-09.txt to Proposed Standard,

draft-ietf-vpim-vpimdir-10.txt to Proposed Standard

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Evaluation for draft-ietf-vpim-routing-09.txt, draft-ietf-vpim-vpimdir-10.txt

can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=5733&rft_flag=0)

[command=view\\_id&dTag=5733&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=5733&rft_flag=0)

Last Call to expire on: 2005-02-17

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Harald Alvestrand | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck  | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin    | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten     | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

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^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

vpim mailing list <vpim@ietf.org>,

vpim chair <gparsons@nortel.com>

Subject: Protocol Action: 'Voice Messaging Directory Service' to  
Proposed Standard

The IESG has approved the following documents:

- 'Voice Message Routing Service '  
<draft-ietf-vpim-routing-09.txt> as a Proposed Standard
- 'Voice Messaging Directory Service '  
<draft-ietf-vpim-vpimdir-10.txt> as a Proposed Standard

These documents are products of the Voice Profile for Internet Mail  
Working  
Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

#### Technical Summary

The VPIM directory schema provides essential additional attributes to recreate the voice mail user experience using standardized directories. This user experience provides, at the time of addressing, basic assurances that the message will be delivered as intended.

The VPIM routing document describes two mechanisms by which a sending VPIM system may determine the destination mailbox given a

telephone number. Both mechanisms build upon ENUM. One mechanism utilizes an LDAP query to determine recipient capabilities and retrieve address confirmation information such as a spoken or text name.

#### Working Group Summary

These documents are products of the Voice Profile for Internet Mail (vpim) working group. Consensus to publish the documents was reached. Comments received during the IETF last call have been addressed.

#### Protocol Quality

Scott Hollenbeck has reviewed this specification for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 13

- o draft-ietf-mpls-explicit-null-02.txt

Removing a Restriction on the use of MPLS Explicit NULL (Proposed Standard)

Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mpls-explicit-null-02.txt to Proposed Standard

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Evaluation for draft-ietf-mpls-explicit-null-02.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11693&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11693&rfc_flag=0)

Last Call to expire on: 2004-12-15

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ X ] | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mpls mailing list <mpls@lists.ietf.org>,

mpls chair <swallow@cisco.com>,

mpls chair <loa@pi.se>

Subject: Protocol Action: 'Removing a Restriction on the use of MPLS  
Explicit NULL' to Full Standard

The IESG has approved the following document:

- 'Removing a Restriction on the use of MPLS Explicit NULL '  
<draft-ietf-mpls-explicit-null-01.txt> as a Full Standard

This document is the product of the Multiprotocol Label Switching  
Working  
Group.

The IESG contact persons are Alex Zinin and Bill Fenner.

## Technical Summary

The label stack encoding for MPLS (Multi-protocol Label Switching) defines a reserved label value known as "IPv4 Explicit NULL" and a reserved label value known as "IPv6 Explicit NULL". Previously, these labels were only legal when they occurred at the bottom of the MPLS label stack. This restriction is now removed, so that these label values may legally occur anywhere in the stack.

## Working Group Summary

The Working Group had a consensus on advancing this document.

## Protocol Quality

The Document has been reviewed for the IESG by Alex Zinin. The document has been reviewed by the RTG area directorate (Danny McPherson).

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 13

- o draft-ietf-mpls-rsvp-te-attributes-04.txt

Encoding of Attributes for Multiprotocol Label Switching (MPLS) Label

Switched Path (LSP) Establishment Using RSVP-TE (Proposed Standard)  
Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mpls-rsvp-te-attributes-04.txt to Proposed

Standard

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Evaluation for draft-ietf-mpls-rsvp-te-attributes-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10917&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10917&rfc_flag=0)

Last Call to expire on: 2004-12-15

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ X ] | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
mpls mailing list <mpls@lists.ietf.org>,  
mpls chair <swallow@cisco.com>,  
mpls chair <loa@pi.se>

Subject: Protocol Action: 'Encoding of Attributes for Multiprotocol  
Label Switching (MPLS) Label Switched Path (LSP) Establishment  
Using

RSVP-TE' to Proposed Standard

The IESG has approved the following document:

- 'Encoding of Attributes for Multiprotocol Label Switching (MPLS) Label Switched Path (LSP) Establishment Using RSVP-TE '  
<draft-ietf-mpls-rsvp-te-attributes-04.txt> as a Proposed Standard

This document is the product of the Multiprotocol Label Switching Working Group.

The IESG contact persons are Alex Zinin and Bill Fenner.

#### Technical Summary

This document defines a new object for RSVP-TE messages that allows the signaling of further attribute bits and also the carriage of arbitrary attribute parameters to make RSVP-TE easily extensible to support new requirements. Additionally, this document defines a way to record the attributes applied to the LSP on a hop-by-hop basis.

#### Working Group Summary

The WG had a consensus on advancing this document.

#### Protocol Quality

The document has been reviewed by Mike Shand and Ross Callon for the RTG  
directorates. The document has been reviewed by Alex Zinin for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 8 of 13

- o draft-ietf-ipv6-link-scoped-mcast-08.txt  
Link Scoped IPv6 Multicast Addresses (Proposed Standard)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ipv6-link-scoped-mcast-08.txt to  
Proposed

Standard

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Evaluation for draft-ietf-ipv6-link-scoped-mcast-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8713&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8713&rfc_flag=0)

Last Call to expire on: 2004-11-13

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ipv6 mailing list <ipv6@ietf.org>, ipv6 chair

<bob.hinden@nokia.com>, ipv6  
chair <brian@innovationslab.net>  
Subject: Protocol Action: 'Link Scoped IPv6 Multicast Addresses' to  
Proposed Standard

The IESG has approved the following document:

- 'Link Scoped IPv6 Multicast Addresses '  
<draft-ietf-ipv6-link-scoped-mcast-06.txt> as a Proposed Standard

This document is the product of the IP Version 6 Working Group Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

#### Technical Summary

This document specifies an extension to the multicast addressing architecture of the IPv6 protocol. The extension allows for the use of Interface Identifiers (IIDs) to allocate multicast addresses. When a link-local unicast address is configured at each interface of a node, an IID is uniquely determined. After that, each node can generate their unique multicast addresses automatically without conflicts. Basically, this document proposes an alternative method for creating link-local multicast addresses over a known method like unicast-prefix-based IPv6 multicast addresses. It is preferred to use this method for link-local scope rather than unicast-prefix-based IPv6 multicast addresses. This memo update RFC3306.

#### Working Group Summary

This document was produced by the IPv6 WG.

#### Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the

Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 9 of 13

o draft-ietf-ipv6-rfc2462bis-07.txt

IPv6 Stateless Address Autoconfiguration (Draft Standard)

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ipv6-rfc2462bis-07.txt to Draft Standard

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Evaluation for draft-ietf-ipv6-rfc2462bis-07.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11541&rfc_flag=0)

[command=view\\_id&dTag=11541&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11541&rfc_flag=0)

Last Call to expire on: 2005-01-28

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

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^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ipv6 mailing list <ipv6@ietf.org>,

ipv6 chair <bob.hinden@nokia.com>,

ipv6 chair <brian@innovationslab.net>

Subject: Protocol Action: 'IPv6 Stateless Address Autoconfiguration'  
to Draft Standard

The IESG has approved the following document:

- 'IPv6 Stateless Address Autoconfiguration '  
<draft-ietf-ipv6-rfc2462bis-07.txt> as a Draft Standard

This document is the product of the IP Version 6 Working Group Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

#### Technical Summary

This document specifies the steps a host takes in deciding how to autoconfigure its interfaces in IP version 6. The autoconfiguration process includes generating a link-local address, generating global addresses via stateless address autoconfiguration, and the Duplicate Address Detection procedure to verify the uniqueness of the addresses on a link.

This document is an update to RFC2462, based on implementation and deployment experience.

#### Working Group Summary

This document was produced by the IPv6 WG.

#### Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 10 of 13

- o draft-ietf-msec-ipsec-signatures-04.txt  
The Use of RSA Signatures within ESP and AH (Proposed Standard)  
Token: Russ Housley

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 11 of 13

- o draft-ietf-sasl-anon-05.txt  
The Anonymous SASL Mechanism (Proposed Standard)  
Token: Sam Hartman

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-sasl-anon-05.txt to Proposed Standard  
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Evaluation for draft-ietf-sasl-anon-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9803&rflag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9803&rflag=0)

Last Call to expire on: 2004-12-17

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ X ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Discuss:

Section 1 says:

"The trace information, which has no semantical value, should take one of two forms: an Internet email address, an opaque string which does not contain the '@' (U+0040) character and can be interpreted by the system administrator of the client's domain. For privacy reasons, an Internet email address or other information identifying the user should only be used with permission from the user."

I don't see a description of the second form. Is the word "or" missing between "an Internet email address" and "an opaque string"?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
sasl mailing list <ietf-sasl@imc.org>,  
sasl chair <kurt@openLDAP.org>  
Subject: Protocol Action: 'The Anonymous SASL Mechanism' to Proposed  
Standard

The IESG has approved the following document:

- 'The Anonymous SASL Mechanism '  
<draft-ietf-sasl-anon-04.txt> as a Proposed Standard

This document is the product of the Simple Authentication and Security  
Layer  
Working Group.

The IESG contact persons are Sam Hartman and Russ Housley.

#### Technical Summary

It is common practice on the Internet to permit anonymous access to  
various services. The anonymous mechanism of the Simple  
Authentication and Security Layer framework provides a way to request  
anonymous access to a network service and to provide trace  
information  
to that service. This document obsoletes RFC 2245.

#### Working Group Summary

The SASL working group reached rough consensus on this mechanism.

#### Protocol Quality

The specification was reviewed for the IESG by Sam Hartman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a  
reasonable basis on which to build the salient part of the  
Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 12 of 13

- o draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt

An Extensible Markup Language (XML) Configuration Access Protocol (XCAP)

Usage for Manipulating Presence Document Contents (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt to

Proposed Standard

-----

Evaluation for draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt can be

found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11801&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11801&rfc_flag=0)

Last Call to expire on: 2004-12-28

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

## DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

simple mailing list <simple@ietf.org>,

simple chair <RjS@xten.com>,

simple chair <hisham.khartabil@telio.no>

Subject: Protocol Action: 'An Extensible Markup Language (XML)  
Configuration Access Protocol (XCAP) Usage for Manipulating

Presence

Document Contents' to Proposed Standard

The IESG has approved the following document:

- 'An Extensible Markup Language (XML) Configuration Access Protocol  
(XCAP)

Usage for Manipulating Presence Document Contents '

<draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt> as a Proposed  
Standard

This document is the product of the SIP for Instant Messaging and  
Presence  
Leveraging Extensions Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

### Technical Summary

This document describes a usage of the Extensible Markup Language  
(XML) Configuration Access Protocol (XCAP) for manipulating the  
contents of Presence Information Data Format (PIDF) based presence  
document. It is intended to be used in Session Initiation Protocol  
(SIP) based presence systems, where the Event State Compositor can  
use the XCAP-manipulated presence document as one of the inputs on  
which it builds the overall presence state for the presentity.

### Working Group Summary

The working group came to consensus on this document. There were

revisions suggested during IETF Last Call, and this version reflects changes made in response to those suggestions.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 13 of 13

- o draft-ietf-mip6-mn-ident-option-02.txt  
Mobile Node Identifier Option for Mobile IPv6 (Proposed Standard)  
Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mip6-mn-ident-option-02.txt to Proposed Standard

-----

Evaluation for draft-ietf-mip6-mn-ident-option-02.txt can be found at <https://datatracker.ietf.org/cgi-bin/idtracker.cgi?>

command=view\_id&dTag=12617&rfc\_flag=0

Last Call to expire on: 2005-03-01

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Comment:

RFC 2119 should be added as a normative reference. It's mentioned in section 2, but not cited.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mip6 mailing list <mip6@ietf.org>,

mip6 chair <basavaraj.patil@nokia.com>,

mip6 chair <gdommety@cisco.com>

Subject: Protocol Action: 'Mobile Node Identifier Option for Mobile IPv6' to Proposed Standard

The IESG has approved the following document:

- 'Mobile Node Identifier Option for Mobile IPv6 '  
<draft-ietf-mip6-mn-ident-option-02.txt> as a Proposed Standard

This document is the product of the Mobility for IPv6 Working Group.

The IESG contact persons are Thomas Narten and Margaret Wasserman.

#### Technical Summary

Mobile IPv6 defines a new Mobility header that is used by mobile nodes, correspondent nodes, and home agents in all messaging related to the creation and management of bindings. Mobile IPv6 nodes need the capability to identify themselves using an identity other than the default home IP address. Some examples of identifiers include NAI, FQDN, IMSI, MSISDN, etc. This document defines a new mobility option that can be used by Mobile IP6 entities to identify themselves in messages containing a mobility header.

#### Working Group Summary

The working group has discussed the need for such an identifier at several WG meetings as well as on the mailing list. The need for alternate identifiers such as NAI, IMSI etc. arises from the deployment needs of Mobile IPv6 by 3GPP2. 3GPP2 specification 835-Rev D is currently being worked on and this feature has been identified as a necessity for incorporating Mobile IPv6 in the standard. WG LC has been completed. No major issues were identified during the last call process.

#### Protocol Quality

No known implementations of the protocol exist at this time. However there exist plans to implement this protocol since it is required for deployment in 3GPP2 based networks. Revision D of TIA 835 specifies the need for such an identifier to be included in the mobility header of the registration messages.

This document has been reviewed for the IESG by Thomas Narten.

#### RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 1 of 1

- o draft-ietf-pkix-rfc2511bis-08.txt

Internet X.509 Public Key Infrastructure Certificate Request Message Format

(CRMF) (Proposed Standard)

Note: Significant changes have been made since the last time the IESG

looked at this document.&nbsp; I want to make sure that everyone is satisfied before approving it.

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-pkix-rfc2511bis - Internet X.509 Public Key Infrastructure Certificate Request Message Format (CRMF) to Proposed Standard

-----

Last Call to expire on: 2003-2-24

Please return the full line with your position.

Yes      No-Objection    Discuss \*    Abstain

|                    |       |       |       |     |
|--------------------|-------|-------|-------|-----|
| Harald Alvestrand  | [ ]   | [ X ] | [ ]   | [ ] |
| Bill Fenner        | [ ]   | [ X ] | [ ]   | [ ] |
| Ted Hardie         | [ ]   | [ XX] | [ X ] | [ ] |
| Sam Hartman        | [ ]   | [ ]   | [ ]   | [ ] |
| Scott Hollenbeck   | [ ]   | [ X ] | [ ]   | [ ] |
| Russ Housley       | [ X ] | [ ]   | [ XX] | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ]   | [ ] |
| Allison Mankin     | [ ]   | [ X ] | [ ]   | [ ] |
| Thomas Narten      | [ ]   | [ X ] | [ ]   | [ ] |
| Jon Peterson       | [ ]   | [ X ] | [ ]   | [ ] |
| Margaret Wasserman | [ ]   | [ ]   | [ ]   | [ ] |
| Bert Wijnen        | [ ]   | [ X ] | [ ]   | [ ] |
| Alex Zinin         | [ ]   | [ X ] | [ ]   | [ ] |
|                    |       |       |       |     |
| Steve Bellovin     | [ ]   | [ X ] | [ XX] | [ ] |
| Randy Bush         | [ ]   | [ X ] | [ ]   | [ ] |
| Ned Freed          | [ ]   | [ X ] | [ ]   | [ ] |
| Erik Nordmark      | [ ]   | [ X ] | [ ]   | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

\* Indicate reason if 'Discuss'.

DISCUSS:

=====

Russ Housley DISCUSS (12/16/2004):

draft-ietf-pkix-rfc2511bis-07 has several items marked with [[[Text...]]]. In 4.4, for example, it has:

The fields of PEMParameter have the following meaning:

salt contains a randomly generated value in computing the key of the MAC process. [[[QUESTION What should the legtn be?]]]

There is also at least one marked [[[BLOCKING ISSUE...]]]. So, this version is not ready for publication.

Ted:

In section 6, the document says that "this list may expand over time" for controls syntax but does not indicate how. A similar statement is made for Publication Information Control in section 6.3.

An explicit statement of how this works is needed.

In 6.3, is the order of SinglePubInfo important? The pubLocation looks scary. The client specifies an IP address: are A and AAAA both allowed?

There are references in the appendices; I think it would be better to have them all together.

Notes:

Section 2a: for "requested" certificate fields, it would be useful to explicitly say which party(ies) can request.

Is section 2b: may be calculated--is this MAY be, or "is calculated"?

In section 3: This field may be calculated--is this MAY be or "is calculated"?

In section 4.4, the last paragraph would be better if it had an explicit pointer to the threat model.

Steve:

Change me to a DISCUSS -- there's no "changes since 2511" section.

COMMENTS:

=====

Bert:

ID-NITs:

- : 9 lines longer than 72 characters, max 74
- : 1 pages longer than 58 lines, max 1508 lines  
(probably my awk script does not properly recognize pagination here).
- Missing normative reference to RFC2119
- Missing IPR section
- page 18:
  - mail\_email?john@acme.com%
  - should probably be
  - mail\_email?john@example.com%
  - And this comes back on subsequent pages too

Other nits:

- I see normative references (sect 9) on page 13  
And then I see more "references" on page 16 (in middle of appendix?)
- acknowledgement section occurs twice?

I trust the security ADs to have properly checked the technical content. Russ, did you actually check that ASN.1 material does pass SYNTAX checker? I don;t have easy access to one at the moment.

Steve:

I suspect that the Security Considerations section should be reworded to speak explicitly about traffic analysis. I think that that's what the last sentence is trying to warn about; it should be more explicit.

^L

To: IETF-Announce;;

Dcc: \*\*\*\*\*

Cc: RFC Editor <rfc-editor@isi.edu>,

Internet Architecture Board <iab@iab.org>, ietf-pkix@imc.org

From: The IESG <iesg-secretary@ietf.org>

Subject: Protocol Action: Internet X.509 Public Key Infrastructure

Certificate Request Message Format (CRMF) to Proposed Standard

-----

The IESG has approved the Internet-Draft 'Internet X.509 Public Key Infrastructure - Certificate Request Message Format (CRMF)' <draft-ietf-pkix-rfc2511bis-06.txt> as a Proposed Standard. This document is the product of the PKIX Working Group.

### Technical Summary

This document obsoletes RFC 2511.

This document describes the Certificate Request Message Format (CRMF). This syntax is used to convey a request for a certificate to a Certification Authority (CA), possibly via a Registration Authority (RA), for the purposes of X.509 certificate production. The request will typically include a public key and associated registration information.

### Working Group Summary

The Working Group came to consensus on this document.

## Protocol Quality

This document was reviewed by Jeffrey I. Schiller for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.2 Individual Submissions

### 2.2.1 New Item - 1 of 1

- o draft-gellens-submit-bis-01.txt  
Message Submission (Draft Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-gellens-submit-bis-01.txt to Draft Standard  
-----

Evaluation for draft-gellens-submit-bis-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11926&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11926&rft_flag=0)

Last Call to expire on: 2005-02-24

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Harald Alvestrand | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck  | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin    | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Message Submission' to Draft Standard

The IESG has approved the following document:

- 'Message Submission '  
    <draft-gellens-submit-bis-01.txt> as a Draft Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document describes a message submission service which is distinct from message relay; this allows each service to operate according to its own rules. It specifies what actions are to be taken by a submission server. When conformant to this document, message submission uses the protocol specified here, normally over port 587.

Message relay is unaffected, and continues to use SMTP over port 25.

#### Working Group Summary

This update is the product of individual submitters. The implementation reports submitted indicate that this service has been widely implemented and should advance along the standards track.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 1 of 4

- o draft-ietf-pwe3-tdm-requirements-06.txt

Requirements for Edge-to-Edge Emulation of TDM Circuits over Packet Switching Networks (PSN) (Informational)

Note: 2005-02-08: chairs indicate a respin is in the works in response to

AD review comments.

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-pwe3-tdm-requirements-06.txt to Informational

RFC

-----

Evaluation for draft-ietf-pwe3-tdm-requirements-06.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9910&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9910&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

pwe3 mailing list <pwe3@ietf.org>,

pwe3 chair <stbryant@cisco.com>,

pwe3 chair <danny@tcb.net>

Subject: Document Action: 'Requirements for Edge-to-Edge Emulation of  
TDM Circuits over Packet Switching Networks (PSN)' to

Informational

RFC

The IESG has approved the following document:

- 'Requirements for Edge-to-Edge Emulation of TDM Circuits over Packet Switching Networks (PSN) '  
<draft-ietf-pwe3-tdm-requirements-06.txt> as an Informational RFC

This document is the product of the Pseudo Wire Emulation Edge to Edge Working Group.

The IESG contact persons are Thomas Narten and Margaret Wasserman.

## Technical Summary

The PWE3 WG is defining mechanisms for carrying lower-layer protocols (e.g., L2) over IP and MPLS networks and emulating the services they provide. This document defines the requirements for edge-to-edge-emulation of circuits carrying Time Division Multiplexed digital (TDM) signals of the Plesiochronous Digital Hierarchy (PDH) as well as the Synchronous Optical NETwork (SONET)/Synchronous Digital Hierarchy (SDH) over packet-switched networks.

The requirements are aligned to the common architecture for PWE3. It makes references to the generic requirements for PWE3 where applicable and complements them by defining requirements originating from specifics of TDM circuits.

## Working Group Summary

There was consensus for this document in the WG.

## Protocol Quality

This document has been reviewed for the IESG by Thomas Narten.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

3.1.1 New Item - 2 of 4

- o draft-ietf-nsis-rsvp-sec-properties-06.txt  
RSVP Security Properties (Informational)  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-nsis-rsvp-sec-properties-06.txt to Informational RFC

-----

Evaluation for draft-ietf-nsis-rsvp-sec-properties-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9625&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9625&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

nsis mailing list <nsis@ietf.org>,

nsis chair <john.loughney@nokia.com>

Subject: Document Action: 'RSVP Security Properties' to Informational RFC

The IESG has approved the following document:

- 'RSVP Security Properties '  
<draft-ietf-nsis-rsvp-sec-properties-06.txt> as an Informational RFC

This document is the product of the Next Steps in Signaling Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?  
If not, what changes would make it so?"

### 3.1.1 New Item - 3 of 4

o draft-ietf-ipdvb-arch-03.txt

A Framework for transmission of IP datagrams over MPEG-2 Networks  
(Informational)

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ipdvb-arch-03.txt to Informational RFC

-----

Evaluation for draft-ietf-ipdvb-arch-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11960&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11960&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ipdvb mailing list <ipdvb@erg.abdn.ac.uk>,  
ipdvb chair <gorry@erg.abdn.ac.uk>  
Subject: Document Action: 'A Framework for transmission of IP  
datagrams over MPEG-2 Networks' to Informational RFC

The IESG has approved the following document:

- 'A Framework for transmission of IP datagrams over MPEG-2 Networks '  
<draft-ietf-ipdvb-arch-03.txt> as an Informational RFC

This document is the product of the IP over DVB Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

#### Technical Summary

This document describes an architecture for the transport of IP Datagrams over ISO MPEG-2 Transport Streams (TS). The MPEG-2 TS has been widely accepted not only for providing digital TV services but also as a subnetwork technology for building IP networks. Examples of systems using MPEG-2 include the Digital Video Broadcast (DVB) and Advanced Television Systems Committee (ATSC) Standards for Digital Television.

The document identifies the need for a set of Internet standards defining the interface between the MPEG-2 Transport Stream and an IP subnetwork. It suggests a new encapsulation method for IP datagrams and proposes protocols to perform IPv6/IPv4 address resolution, to associate IP packets with the properties of the Logical Channels provided by an MPEG-2 TS.

#### Working Group Summary

This document was produced by the IPDVB working group.

#### Protocol Quality

This document has been reviewed for the IESG by Margaret Wasserman.

#### RFC Editor Note

The following line should be removed from section 2:

## A2. Conventions Used In This Document

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"

#### 3.1.1 New Item - 4 of 4

- o draft-ietf-mip6-auth-protocol-04.txt  
Authentication Protocol for Mobile IPv6 (Informational)  
Note: 2005-02-15: Has a normative dependency on.  
draft-ietf-mip6-mn-ident-option-02.txt, which needs to go through  
IETF<br>LC first.  
Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mip6-auth-protocol-04.txt to  
Informational RFC

-----

Evaluation for draft-ietf-mip6-auth-protocol-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11957&rfc_flag=0)  
[command=view\\_id&dTag=11957&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11957&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes | No-Objection | Discuss | Abstain |
|--------------------|-----|--------------|---------|---------|
| Harald Alvestrand  | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ] | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ] | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ] | [ ]          | [ X ]   | [ ]     |
| Jon Peterson       | [ ] | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ] | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ] | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Thomas Narten:

Discuss:

Substantive:

- > This document introduces new mobility options to aid in
- > authentication of the Mobile Node to the Home Agent or AAAH server.
- > The confidentiality protection of Return Routability messages and
- > authentication/integrity protection of Mobile Prefix Discovery (MPD)
- > is outside the scope of this document.

what is required to get RR to work in this scenario?

Even if out of scope, this document should make it clear whether there are fundamental issues or whether the details simply aren't included because 3GPP2 has no plans for using R0.

- > New values for this namespace can be allocated using Standards Action
- > [RFC2434].

seems overly restrictive. Especially since \_this\_ document is

informational and creates one for 3GPP2. Isn't IETF RFC good enough?

> 7. Security Considerations

>

> This document proposes new authentication options to authenticate the

> control message between Mobile Node, Home Agent and/or home AAA (as  
> an alternative to IPsec). The new options provide for authentication

> of Binding Update and Binding Acknowledgement messages. The MN-AAA

> authentication options provides for authentication with AAA

> infrastructure. It can be used to generate a per session key between

> Mobile Node and Home Agent for subsequent authentication of BU/BA

> between Mobile Node and Home Agent via the MN-HA authentication

> option.

I find it odd that this document doesn't anywhere say how one generates a session key, if that is indeed what this document is used for...

Comment:

> responsible for performing Registration of a Mobile Node at a home

s/Registration/registration/? (Why capitalized?)

> and Accounting (AAA) server in Home network (AAAH) based on a shared

> key based security association between the Mobile Node and the

> respective authenticating entity. This shared key based security

> association (shared-key based SA) may be statically provisioned or

hyphens in "shared-key-based security"?

> Mobile Node MAY use Mobile Node Identifier Option as defined in

s/Mobile/A Mobile/ (or The...)

> [MN\_Ident] or Home Address to identify itself while authenticating

s/Home/the Home/

> When a Binding Update or Binding Acknowledgement is received without

- > an authentication option and the entity receiving it is configured to
- > use authentication option or has the shared-key based security
- > association for authentication option, the entity should silently
- > discard the received message.

the above is worded weakly. I would assume that the HA needs to be configured to require authentication, either IPsec or this method. Above can almost be read to imply that a HA might not use either.

- > SPI:
- >
- > Security Parameter Index
- >

This document doesn't seem to define SPI precisely. It would be good to provide a reference to the proper MIP document that describes them (i.e, what their properties are, who assigns them, etc.)

- > Alignment requirements :
- >
- > The alignment requirement for this option is  $4n + 1$ .

provide a reference to the RFC that defines the alignment requirements?

- > Home Agent used within this specification consists of a SPI, a key,

s/a SPI/an SPI/

- > 16 octets in length. The authentication algorithm is HMAC\_SHA1.
- The

Reference for HMAC\_SHA1?

- > the mobility header upto and including the SPI value of this option.

s/upto/up to/ (multiple occurrences)

- > The Mobility message replay protection option MAY be used in Binding

why not a should?

- > If the timestamp is valid, the Home Agent copies the entire

Timestamp

> field into the Timestamp field in the BA it returns to the Mobile  
> Node. If the timestamp is not valid, the Home Agent copies only  
the  
> low-order 32 bits into the BA, and supplies the high-order 32 bits  
> from its own time of day.

This last part seems odd.

> code MIPV6-ID-MISMATCH. The Home Agent does not create a binding

seems like you could find a better, more intuitive name. e.g.,  
something like MIPV6-TS-INVALID (for timestamp).

> infrastructure. It can be used to generate a per session key  
between

s/per session/per-session/

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mip6 mailing list <mip6@ietf.org>,

mip6 chair <basavaraj.patil@nokia.com>,

mip6 chair <gdommety@cisco.com>

Subject: Document Action: 'Authentication Protocol for Mobile IPv6' to  
Informational RFC

The IESG has approved the following document:

- 'Authentication Protocol for Mobile IPv6 '  
<draft-ietf-mip6-auth-protocol-04.txt> as an Informational RFC

This document is the product of the Mobility for IPv6 Working Group.

The IESG contact persons are Thomas Narten and Margaret Wasserman.

Technical Summary

IPsec is specified as the sole means of securing all signaling

messages between the Mobile Node and Home agent for Mobile IPv6 (see RFC 3775). Some deployments, and 3GPP2 in particular, desire a different model for securing signalling between the Mobile Node and Home Agent, one that more closely fits their existing Mobile IPv4 deployments. This document proposes an alternate method for securing the signaling messages, one based on defining a MIPv6-specific authentication extension.

## Working Group Summary

This document certainly generated controversy within the WG. There were some who argued that this approach was not appropriate and that we should just stick with "use the IPsec-based approach as defined in RFC 3775". Others argued that we should listen to an important "customer" and that it was appropriate to put this document forward on standards track, since there were likely to be many implementations. In the end, most people recognized the need to be pragmatic in dealing with the input from 3GPP2, given that 3GPP2-based mobile IPv4 is the largest current deployment of MIPv4. In the end, the WG supported moving this work forward, but as an informational document rather than on the Standards Track.

## Protocol Quality

This document has been reviewed for the IESG by Thomas Narten.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 3.1.2 Returning Item

NONE

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.2.1 New Item - 1 of 4

- o draft-hoffman-wais-uri-03.txt  
The wais URI Scheme (Historic)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-hoffman-wais-uri-03.txt to Historic

-----

Evaluation for draft-hoffman-wais-uri-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12240&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12240&rfc_flag=0)

Last Call to expire on: 2005-02-08

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

## DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment:

In some places this document uses 'WAIS URL' and in other places it uses 'wais URL.' Please pick one and use it everywhere.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The wais URI Scheme' to Historic

The IESG has approved the following document:

- 'The wais URI Scheme '

<draft-hoffman-wais-uri-03.txt> as a Historic

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

### Technical Summary

The wais URI scheme was originally defined in RFC 1738. This draft is part of a

larger effort to provide scheme definitions for those schemes originally defined in RFC 1738,

so that RFC 1738 may be marked obsolete. This scheme is being marked historic

at the same time, based on its limited use in the Internet.

### Working Group Summary

This document was reviewed by the URI mailing list and it and the general

effort have reasonable community support.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

3.2.1 New Item - 2 of 4

- o draft-hoffman-prospiero-uri-03.txt  
The prospero URI Scheme (Historic)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-hoffman-prospiero-uri-03.txt to Historic  
-----

Evaluation for draft-hoffman-prospiero-uri-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12232&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12232&rfc_flag=0)

Last Call to expire on: 2005-02-08

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment:

In the abstract: s/prosporo1/prosporo/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The prospero URI Scheme' to Historic

The IESG has approved the following document:

- 'The prospero URI Scheme '  
<draft-hoffman-prosporo-uri-03.txt> as a Historic

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

The prospero URI scheme was originally defined in RFC 1738. This draft is part of a larger effort to provide scheme definitions for those schemes originally defined in RFC 1738, so that RFC 1738 may be marked obsolete. This scheme is being marked historic at the same time, based on its limited use in the Internet.

#### Working Group Summary

The draft was discussed on the uri mailing list, and both this draft and the general effort have reasonable community support.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?  
If not, what changes would make it so?"

3.2.1 New Item - 3 of 4

o draft-adrangi-eap-network-discovery-10.txt  
Mediating Network Discovery in the Extensible Authentication  
Protocol (EAP)  
(Informational)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-adrangi-eap-network-discovery-10.txt to  
Informational RFC

-----

Evaluation for draft-adrangi-eap-network-discovery-10.txt can be found  
at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11840&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11840&rfc_flag=0)

Last Call to expire on: 2005-02-11

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Mediating Network Discovery in the  
Extensible Authentication Protocol (EAP)' to Informational RFC

The IESG has approved the following document:

- 'Mediating Network Discovery in the Extensible Authentication Protocol  
(EAP)

,

<draft-adrangi-eap-network-discovery-07.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Margaret Wasserman.

#### Technical Summary

The Extensible Authentication Protocol (EAP) is defined in RFC 3748.  
This document defines a mechanism that allows an access network to  
provide identity selection hints to an EAP peer. The purpose is to  
assist the EAP peer in selecting an appropriate Network Access  
Identifier (NAI). This is especially useful when the access network  
does not have a direct roaming relationship with the peer's home  
network, so that a mediating network, such as a roaming consortium or  
broker, is used.

The mechanism defined in this document is primarily intended for  
advertising connectivity of access network to a limited number of  
roaming partners that find such advertisement useful.

#### Working Group Summary

This document was an individual submission, but it was reviewed by  
the EAP WG.

#### Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 4 of 4

- o draft-tesink-urn-clei-00.txt

A Uniform Resource Name (URN) Namespace for the CLEI Code  
(Informational)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-tesink-urn-clei-00.txt to Informational RFC

-----

Evaluation for draft-tesink-urn-clei-00.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12669&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12669&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Comment:

The IANA Considerations section should probably point to the template in section

2.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'A Uniform Resource Name (URN) Namespace for  
the CLEI Code' to Informational RFC

The IESG has approved the following document:

- 'A Uniform Resource Name (URN) Namespace for the CLEI Code '  
<draft-tesink-urn-clei-00.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an

IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document describes a Uniform Resource Name (URN) namespace managed by Telcordia Technologies, Inc., as the maintenance agent for ANSI T1.213 [T1.213], for the assignment of the CLEI Code, for usage within messages standardized by ANSI. The CLEI code is a globally unique, ten-character alphanumeric intelligent code assigned by Telcordia Technologies at the request of equipment suppliers. The CLEI code identifies communications equipment by specifying product type and features. There is a one-to-one relationship between a CLEI Code and supplier's Product ID

#### Working Group Summary

This document is the product of an individual submitter, but was reviewed on urn-nid list; no problems with the registration were identified during review.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3.2.2 Returning Item

NONE

## 3. Document Actions

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.1 New Item - 1 of 1

##### o draft-warnicke-network-dns-resolution-05.txt

A Suggested Scheme for DNS Resolution of Networks and Gateways  
(Informational)

Note: 2005-02-23: I've reviewed this and do not believe it conflicts with.

any IETF work. I think is fine to be published as an Independent<br>Submission.

Token: David Kessens

## 3. Document Actions

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.2 Returning Item - 1 of 2

##### o draft-carroll-dynmobileip-cdma-04.txt

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R)  
Networks  
(Informational)

Note: 2005-02-08: IESG: this document violates a MUST NOT in radius,  
one

that is not insignificant. I.e., it relates to security aspects/  
assumptions

underlying radius.√ So, it 'extends and embraces' an IETF protocol  
in a

way that warrants IETF review/acceptance.

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-carroll-dynmobileip-cdma-04.txt to  
Informational RFC  
-----

Evaluation for draft-carroll-dynmobileip-cdma-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10350&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10350&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes | No-Objection | Discuss | Abstain |
|--------------------|-----|--------------|---------|---------|
| Harald Alvestrand  | [ ] | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ] | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ] | [ X ]        | [ . ]   | [ ]     |
| David Kessens      | [ ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ] | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ] | [ ]          | [ X ]   | [ ]     |
| Jon Peterson       | [ ] | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ] | [ X ]        | [ ]     | [ ]     |
| Bert Wijnen        | [ ] | [ X ]        | [ . ]   | [ ]     |
| Alex Zinin         | [ ] | [ ]          | [ ]     | [ ]     |

Steve Bellovin [ ] [ ] [ X ] [ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

Comment:

Reviewed by Suzanne Woolf, Gen-ART

She points out what seems like significant weaknesses in the protocol -  
so much  
so that this would have no future as an IETF standard, if they are  
correctly  
identified.

Should there be an IESG note that says "pestilence here", or some such?

Like, for instance:

This document describes an existing deployed technology that was developed outside the IETF. It uses RADIUS in a way incompatible with the RADIUS protocol, and practices the sharing of secret keys in public-key cryptosystems, which is not a practice the IETF recommends. Do not take this document as an example of good protocol design.

Russ Housley:

Comment:

Section 4.6 states the need for integrity of the RSA public key when it is distributed to MN manufacturers. The reason given is weak. The document says that an invalid public key is programmed into a terminal, then the terminal may be denied service. This is true, but a bigger concern would be the substitution of one public key with another one, where the corresponding private key is controlled by an attacker.

PKCS #1 Version 1.5 (as identified by [9]) is used in this protocol. PKCS #1 Version 1.5 key transport is vulnerable to adaptive chosen ciphertext attacks, especially when it is used to for key management in interactive applications like this one. This attack is often referred to as the "Million Message Attack," and it explained in [CRYPT098] and [RSALABS]. Exploitation of this vulnerability, which reveals the result of a particular RSA decryption, requires access to an oracle which will respond to hundreds of thousands of ciphertexts, which are constructed adaptively in response to previously received replies that provide information on the successes or failures of attempted decryption operations. The AAA server is such an oracle. The security considerations need to explain how to avoid this attack. TLS includes protection against this attack by exhibiting the same behavior in the face of decrypt errors.

[CRYPT098] Bleichenbacher, D. "Chosen Ciphertext Attacks Against Protocols Based on the RSA Encryption Standard PKCS #1," in H. Krawczyk (editor), *Advances in Cryptology* -

CRYPTO '98 Proceedings, Lecture Notes in Computer Science 1462 (1998), Springer-Verlag, pp. 1-12.

[RSALABS] Bleichenbacher, D., B. Kaliski, and J. Staddon.  
Recent Results on PKCS #1: RSA Encryption Standard.  
RSA Laboratories' Bulletin No. 7, June 26, 1998.  
[<http://www.rsasecurity.com/rsalabs/bulletins>]

Thomas Narten:

Discuss:

Placeholder. This document violates a MUST NOT of radius, one that has security implications. Need guidance from AAA on how to proceed.

Bert Wijnen:

Comment:

Passing my DISCUSS to Thomas, since I will be off-line for (quite) a while

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <[iesg-secretary@ietf.org](mailto:iesg-secretary@ietf.org)>  
To: RFC Editor <[rfc-editor@rfc-editor.org](mailto:rfc-editor@rfc-editor.org)>  
Cc: The IESG <[iesg@ietf.org](mailto:iesg@ietf.org)>, <[iana@iana.org](mailto:iana@iana.org)>  
Subject: Re: Informational RFC to be:  
draft-carroll-dynmobileip-cdma-01.txt

The IESG has no problem with the publication of 'Dynamic Mobile IP Key Updat

for cdma2000(R) Networks' <draft-carroll-dynmobileip-cdma-01.txt> as an Informational RFC.

The IESG contact person is Thomas Narten.

Thank you,

The IESG Secretary

### 3. Document Actions

#### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

##### 3.3.2 Returning Item - 2 of 2

###### o draft-klensin-idn-tld-04.txt

National and Local Characters for DNS Top Level Domain (TLD) Names (Informational)

Note: 2005-02-10: I've reviewed this and do not believe it conflicts with.

any IETF work. I think is fine to be published as an Independent<br>Submission

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-klensin-idn-tld-04.txt to Informational RFC

-----

Evaluation for draft-klensin-idn-tld-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9452&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9452&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Harald Alvestrand | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Sam Hartman       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Scott Hollenbeck  | [ ]   | [ ]          | [ ]     | [ R ]   |
| Russ Housley      | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin    | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten     | [ X ] | [ ]          | [ ]     | [ ]     |

|                    |     |       |     |     |
|--------------------|-----|-------|-----|-----|
| Jon Peterson       | [ ] | [ ]   | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ X ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ]   | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ]   | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Discuss:

Fundamentally, I think this is well written, but could be badly read. Knowing John's history with this topic, I believe I understand the impetus for putting forward a fourth choice in this critical architectural discussion, and I appreciate the time and effort he has put into this. Knowing as well his role in the IAB during the time in which RFC 2826 was produced, I am certain his depth of understanding of many of these issues exceeds my own.

But I am concerned about what will happen when this is read by someone who is not aware of this history and has no insight into the issues which

John knows so well. (And I will happily admit that my own ignorance may be driving my empathy for this position). If read by someone without a deep understanding of the need for a single DNS root and an un-partitioned

URI space, will this give rise to mischief? I believe it could. It is moderately

obvious that someone using local translation could translate .Ñπ° ÖfÔ (4e2d, 570b)

to .tw where the dominant view would translate it to .cn . A local translation doing that has the same

partitioning effect in URI space as multiple roots do in the DNS: it creates a situation in which local

resolution context over-rides the overall system's ability to ensure a consistent view of the namespace.

I recommend that we ask the RFC Editor not to publish this document until it contains a discussion of this problem (hopefully using a less hot-button example than my haste forced me to use)

Scott Hollenbeck:

Comment:

I'm recusing since I know that my employer has an interest in this topic.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: RFC Editor <rfc-editor@rfc-editor.org>

Cc: The IESG <iesg@ietf.org>, <iana@iana.org>

Subject: Re: Informational RFC to be: draft-klensin-idn-tld-04.txt

The IESG has no problem with the publication of 'National and Local Characters for DNS Top Level Domain (TLD) Names' <draft-klensin-idn-tld-04.txt> as an Informational RFC.

The IESG would also like the RFC-Editor to review the comments in the datatracker

([https://datatracker.ietf.org/public/pidtracker.cgi?](https://datatracker.ietf.org/public/pidtracker.cgi?command=view_id&dTag=9452&rfc_flag=0)

[command=view\\_id&dTag=9452&rf](https://datatracker.ietf.org/public/pidtracker.cgi?command=view_id&dTag=9452&rfc_flag=0)

[c\\_flag=0](https://datatracker.ietf.org/public/pidtracker.cgi?command=view_id&dTag=9452&rfc_flag=0))

related to this document and determine whether or not they merit incorporation

into the document. Comments may exist in both the ballot and the comment log.

The IESG contact person is Thomas Narten.

Thank you,

The IESG Secretary

RFC Editor Note:

This RFC is not a candidate for any level of Internet Standard. The IETF disclaims any knowledge of the fitness of this RFC for any purpose and notes that the decision to publish is not based on IETF review apart from IESG review for conflict with IETF work. The RFC Editor has chosen to publish this document at its discretion. See RFC 3932 for more information.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Better-Than-Nothing Security (btns) - 1 of 1

Token: Sam Hartman

### Better-Than-Nothing Security (btns)

=====

Last Modified: 2005-2-24

Current Status: Proposed Working Group

Mailing List info:

<http://www.postel.org/anonsec>

#### DESCRIPTION:

Current Internet Protocol security protocol (IPsec) and Internet Key Exchange protocol (IKE) present somewhat of an all-or-nothing alternative; these protocols provide protection from a wide array of possible threats, but are sometimes not deployed because of the need for pre-existing credentials. There is significant interest in providing anonymous keying for IPsec

between two parties who do not have credentials suitable for the current profile of IKE. This mode would protect against passive attacks but would be vulnerable to active attacks.

The primary purpose of this working group is to specify extensions to or profiles of IKE to enable this mode of IPsec.

The goal of this relaxed variant of IPsec is to enable and encourage the use of network

security where it has been difficult to deploy - notably, to enable simpler, more rapid deployment.

Two related problems emerged during the discussion of this problem. First, there is a desire in the KITTEN, RDDP, NFSv4 and potentially otherc

working groups to perform anonymous authentication at the IPsec layer

and later cryptographically bind the IPsec association to application authentication. The specification of how this binding is performed for IPsec and the specification of how the binding interact with application authentication protocols are out of scope for this working group. However, the interactions between this cryptographic channel binding and the IPsec PAD will be similar to those for the anonymous mode with no binding. This working group needs to consider the channel bindings use case when developing extensions to the PAD and SPD.

Secondly, BTNS and the channel bindings work both encourage IPsec to be used to secure higher layer protocols. AS such we need to consider what information these higher layer protocols need from IPsec.

Two proposals are under discussion for providing anonymous keying for IPsec: bare RSA keys transported by IKE and self-signed certificates transported by IKE.

The WG has the following specific goals over three IETF meetings:

- a) develop a framework document to describe the motivation and goals of these infrastructure-free variants of security protocols in general, and IPsec and IKE in specific
- b) develop an applicability statement, characterizing a reasonable set of threat models with relaxed assumptions suitable for infrastructure-free use, and describing the limits and conditions of appropriate use of infrastructure-free variants
- c) develop standards-track IKE extensions and/or profiles that support one or both of the bare RSA keys or self-signed certificates
- d) Specify standards-track extensions to the SPD and PAD to support anonymous keying for IPsec and cryptographic channel bindings for IPsec
- e) Develop an informational document giving advice to IPsec implementers and higher-level protocol designers on the use of IPsec in securing higher-level protocols

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Language Tag Registry Update (ltrv) - 1 of 3

Token: Ted Hardie

## Language Tag Registry Update (LTRU)

---

Last Modified: 2005-02-24

Current Status: Proposed Working Group

Chair(s): Randy\_Presuhn@mindspring.com

Applications Area Director(s):

Ted Hardie <hardie@qualcomm.com>

Scott Hollenbeck <sah@428cobrajet.net>

Applications Area Advisor:

Ted Hardie <hardie@qualcomm.com>

Mailing Lists:

General Discussion: [ltr@ietf.org](mailto:ltr@ietf.org)

To Subscribe: <https://www1.ietf.org/mailman/listinfo/ltru>

Archive: <http://www.ietf.org/mail-archive/web/ltru/index.html>

Description of Working Group:

RFC 3066 and its predecessor, RFC 1766, defined language tags for use on the Internet. Language tags are necessary for many applications, ranging from cataloging content to computer processing of text. The RFC 3066 standard for language tags has been widely adopted in various protocols and text formats, including HTML, XML, and CLDR, as the best means of identifying languages and language preferences. Since the publication of RFC 3066, however, several issues have faced implementors of language tags:

- \* Stability and accessibility of the underlying ISO standards
- \* Difficulty with registrations and their acceptance
- \* Lack of clear guidance on how to identify script and region where necessary
- \* Lack of parseability and the ability to verify well-formedness.
- \* Lack of specified algorithms, apart from pure prefix matching, for operations on language tags.

This working group will address these issues by developing two

documents. The first is a successor to RFC 3066. It will describe the structure of the IANA registry and how the registered tags will relate to the generative mechanisms (originally described in RFC 3066, but likely to be updated by the document). In order to be complete, it will need to address each of the challenges set out above:

- For stability, it is expected that the document will describe how the meaning of language tags remains stable, even if underlying references should change, and how the structure is to remain stable in the future. For accessibility, it is to provide a mechanism for easily determining whether a particular subtag is valid as of a given date, without onerous reconstruction of the state of the underlying standard as of that time.

- For extensibility, it is expected that the document will describe how generative mechanisms could use ISO 15924 and UN M.49 codes without explicit registration of all combinations. The current registry contains pairs like uz-Cyrl/uz-Latn and sr-Cyrl/sr-Latn, but RFC 3066 contains no general mechanism or guidance for how scripts should be incorporated into language tags; this replacement document is expected to provide such a mechanism.

- It is also expected to provide mechanisms to support the evolution of the underlying ISO standards, in particular ISO 639-3, mechanisms to support variant registration and formal extensions, as well as allowing generative private use when necessary.

- It is expected to specify a mechanism for easily identifying the role of each subtag in the language tag, so that, for example, whenever a script code or country code is present in the tag it can be extracted, even without access to a current version of the registry. Such a mechanism would clearly distinguish between well-formed and valid language tags, to allow for maximal compatibility between implementations released at different times, and thus using different versions of the registry.

The second document will describe matching algorithms for use with language tags. Language tags are used in a broad variety of contexts and it is not expected that any single matching algorithm will fit all needs. Developing a small set of common matching and sorting algorithms does seem likely to contribute to interoperability, however, as it seems likely that using protocols could reference these well-known algorithms in their specifications.

This working group will not take over the existing review function of the ietf-languages list. The ietf-languages list will continue to review tags according to RFC 3066 until the first document produced by the WG is finished. Then it will review according to whatever procedures the first document specifies.

#### Goals and Milestones

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| Submit first working group draft of registry-structure draft<br>05 | Mar |
| Submit first draft of matching algorithms draft<br>05              | Apr |
| Submit registry structure draft for IETF Last Call<br>05           | May |
| Submit matching algorithms draft for IETF Last Call<br>05          | Aug |

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o IPv6 over IEEE 802.15.4 (lowpan) - 2 of 3  
Token: Thomas Narten

IPv6 over IEEE 802.15.4 (lowpan)

=====

Last Modified: 2005-1-19

Current Status: Proposed Working Group

Chair(s): TBD

Internet Area Director(s):

Thomas Narten <narten@us.ibm.com>

Margaret Wasserman <margaret@thingmagic.com>

## Mailing Lists:

General Discussion: [lowpan@ietf.org](mailto:lowpan@ietf.org)

To Subscribe: [lowpan-request@ietf.org](mailto:lowpan-request@ietf.org) <<mailto:lowpan-request@ietf.org>>

In Body: subscribe

Archive: <http://www.ietf.org/mail-archive/web/lowpan/index.html>

## Description of Working Group:

Note: Given that there is not much precedent for this type of activity at the

IETF, the text that follows is of an introductory nature. Hence, its objective

is to give a general idea of the application area and motivations for the work.

In particular, this section is not to be construed as detailing work items for

the working group. That is done in the following section on the "Scope of the

Working Group."

Well-established fields such as control networks, and burgeoning ones such as "sensor" (or transducer) networks, are increasingly being based on wireless technologies. Most (but certainly not all) of these nodes are amongst the most constrained that have ever been networked wirelessly. Extreme low power (such that they will run potentially for years on batteries) and extreme low cost (total device cost in single digit dollars, and riding Moore's law to continuously reduce that price point) are seen as essential enablers towards their deployment in networks with the following characteristics:

- \* Significantly more devices than current networks
- \* Severely limited code and ram space (e.g., highly desirable to fit the required code--MAC, IP and anything else needed to execute the embedded application-- in, for example, 32K of flash memory, using 8-bit microprocessors)
- \* Unobtrusive but very different user interface for configuration (e.g., using gestures or interactions involving the physical world)
- \* Robustness and simplicity in routing or network fabric

A chief component of these devices is wireless communication technology. In

particular, the IEEE 802.15.4 standard is very promising for the lower (physical and link) layers. As for higher layer functions, there is considerable interest in using IP technology. Even though it is not currently

IP-based, the ZigBee Alliance has related ongoing work. Accordingly, it is

expected that the working group will coordinate and interact with it.

The required work includes items in the following (incomplete) list:

- \* IP adaptation/Packet Formats and interoperability
- \* Addressing schemes and address management
- \* Network management
- \* Routing in dynamically adaptive topologies
- \* Security, including set-up and maintenance
- \* Application programming interface
- \* Discovery (of devices, of services, etc)
- \* Implementation considerations

Whereas at least some of the above items are within the purview of the IETF, at this point it is not clear that all of them are. Accordingly, the LoWPAN working group will address a reduced, more focused set of objectives.

Scope of lowpan:

Produce "Problems Statement, Assumptions and Goals for Ipv6 for LoWPANs" (draft-ietf-lowpan-goals-assumptions-xx.txt) to define the problem statement and goals of the working group.

Produce "Transmission of IPv6 Packets over IEEE 802.15.4 WPAN Networks" (draft-ietf-lowpan-ipv6-over-802.15.4-xx.txt) to define the basic packet formats and sub-IP adaptation layer for transmission of IPv6 packets over IEEE 802.15.4. This includes framing, adaptation, header compression, address generation and a simple but sufficient mechanism for ad hoc routing based on AODV.

The working group will reuse existing specifications whenever reasonable and possible.

The working group will also serve as a venue for ongoing discussions on other topics related to the more complete list outlined above. Additional related milestones may be added in the future with AD approval.

## Goals and Milestones:

FEB 2005

Working group last call on draft-ietf-lowpan-goals-assumptions-xx.txt

MAR 2005

Submit draft-ietf-lowpan-goals-assumptions-xx.txt to IESG for consideration of publication as Informational

MAY 2005

Working Group Last Call on draft-ietf-lowpan-ipv6-over-802.15.4-xx.txt

JUL 2005

Submit draft-ietf-lowpan-ipv6-over-802.15.4-xx.txt to IESG for consideration of publication as Proposed Standard

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.2 Proposed for Approval

- o Transparent Interconnection of Lots of Links (trill) - 3 of 3  
Token: Margaret Wasserman

Transparent Interconnection of Lots of Links (trill)

=====

Last Modified: 2005-2-10

Current Status: Proposed Working Group

Chair(s):

Erik Nordmark <erik.nordmark@sun.com>  
<TBD>

Internet Area Directors:

Thomas Narten <narten@us.ibm.com>  
Margaret Wasserman <margaret@thngmagic.com>

Internet Area Advisor:

Margaret Wasserman <margaret@thingmagic.com>

Description of Working Group:

While IEEE 802 bridges are attractive due to not needing explicit configuration and allowing hosts to move within the bridged topology, they are more limited than IP routers since bridges only support IEEE 802 technologies, and the most common layer 2 interconnection method (dynamically created spanning tree formation using bridges) is not as flexible and robust as layer 3 routing.

The WG will design a hybrid solution that combines the simplicity of configuration while taking full advantage of complex topologies.

The design should have the following properties:

- zero configuration of the hybrid devices
- ability for hosts to move without changing their IP address
- it should be possible to forward packets using pair-wise shortest paths, and exploit the redundant paths through the network for increased aggregate bandwidth
- possible optimizations for ARP and Neighbor Discovery packets (potentially avoid flooding all the time)
- support Secure Neighbor Discovery
- the packet header should have a hop count for robustness in the presence of temporary routing loops
- nodes should be able to have multiple attachments to the network
- no delay when a new node is attached to the network
- multicast should work (and after a re-charter it might make sense to look at optimizations for IP multicast)
- be no less secure than existing bridges (and explore whether the protocol can make "L2 address theft" harder or easier to detect)

A required piece of the solution is an IP routing protocol which is extended to carry L2 address reachability, handle broadcast, and is friendly to zero-configuration. Likely candidate are the link-state routing protocols since they can easily be extended to provide for broadcast, which is believed to be difficult for distance vector protocols. This working group will define the requirements on such routing protocol(s), and select the routing protocol(s) to be used. The intent is that the actual extensions to the routing protocol(s) be

performed in the WGs with expertise in the routing protocol(s).

The working group will look into solutions that can interconnect different layer 2 technologies, and also look at providing support for non-IP protocols, even though one can not combine those two features together; the interconnection of different layer 2 technologies (with different layer 2 address formats) will most likely only work for the IP family of protocols. Whether the same or different address formats are used, there might be a need to handle different MTUs.

The WG will design a protocol that combines the benefits of bridges and routers in a way that will co-exist with existing hosts, IP routers and bridges. The design must support both IPv4 and IPv6

The working group will not work any layer 3 aspects except to provide

- Possible optimizations for ARP and ND packets (not always flooded everywhere)
- Being able to carry IP broadcast and multicast packets (which might just fall out from supporting L2 multicast)
- Defining the L3 operations needed to interconnect different L2 technologies

The work consists of several, separable pieces:

- Defining the requirement on the routing protocol(s), and select one or more routing protocols. The detailed specification of the extensions to a particular routing protocol will be left as an action item for the specific routing protocol WG.
- Defining what information must be carried in an encapsulation header for data packets, and how to map that information to various link types (e.g., IEEE LAN, Fibrechannel, MPLS)
- Defining how address resolution (ARP and Neighbor Discovery) is performed, taking into account the desire to be compatible with Secure Neighbor Discovery. - Defining how the solution extends to the case when multiple layer 2 technologies, that have different address format/length, are interconnected.

The TRILL WG will coordinate with the L2VPN WG, as appropriate, to make sure that issues common to both groups (such as ND and ARP forwarding) are solved in a coordinated way.

## Deliverables

- A short draft on the problem statement and goals
- A document defining what information needs to be carried in routing protocols to support the rbridge concept, and other requirements on the routing protocols.
- Encapsulation draft specifying what needs to be carried in general and the specific format to use on IEEE LANs
- ARP and ND draft
- Draft on interconnecting different types of layer 2 technologies
- Threat analysis document

## Goals and Milestones

Jun 05 Problem statement and Goals submitted to IESG for Informational  
Sep 05 Routing protocol support requirements to IESG for Informational  
Dec 05 Encapsulation document to IESG for Proposed Standard  
Sep 05 ARP & ND to IESG for Proposed Standard  
Mar 06 Interconnecting Layer 2 Technologies document to IESG for Proposed Standard  
Dec 05 Threat analysis to IESG for Informational  
Mar 06 Interconnecting Layer 2 Technologies document to IESG for Proposed Standard

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.2 Proposed for Approval

NONE

## 5. Working Group News We Can Use

Harald Alvestrand

Bill Fenner

Ted Hardie

Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Thomas Narten  
Jon Peterson  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

## 6. IAB News We Can Use

## 7. Management Issues

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA11933  
for <iesg-archive@lists.ietf.org>; Wed, 2 Mar 2005 18:32:59 -0500  
(EST)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1D6dIB-00077p-36; Wed, 02 Mar 2005 18:30:11 -0500

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1D6dI8-00077g-Pl  
for iesg@megatron.ietf.org; Wed, 02 Mar 2005 18:30:08 -0500

Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA11775;  
Wed, 2 Mar 2005 18:30:05 -0500 (EST)

Message-Id: <200503022330.SAA11775@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org

Date: Wed, 02 Mar 2005 18:30:05 -0500

Cc: bfuller@foretec.com, amyk@foretec.com

Subject: FINAL Agenda and Package for March 3, 2005 Telechat

X-BeenThere: iesg@ietf.org

X-Mailman-Version: 2.1.5

Precedence: list

List-Id: iesg.ietf.org

List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>

List-Post: <<mailto:iesg@ietf.org>>

List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www1.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the March 3, 2005 IESG Teleconference

This agenda was generated at 16:2:15 EDT, March 2, 2005

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-mpls-bundle-06.txt  
Link Bundling in MPLS Traffic Engineering (Proposed Standard) - 1 of 12  
Note: Has been pulled out of rfc-ed queue for a problem fix. Back to IESG to approve the changes.  
Token: Alex Zinin
- o draft-ietf-msec-mikey-dhmac-09.txt  
HMAC-authenticated Diffie-Hellman for MIKEY (Proposed Standard) - 2 of 12  
Token: Russ Housley
- o Two-document ballot: - 3 of 12
  - draft-ietf-dccp-ccid2-08.txt  
Profile for DCCP Congestion Control ID 2:TCP-like Congestion Control (Proposed Standard)

- draft-ietf-dccp-ccid3-09.txt  
Profile for DCCP Congestion Control ID 3:TFRC Congestion Control (Proposed Standard)  
Token: Allison Mankin
- o draft-ietf-dccp-spec-09.txt  
Datagram Congestion Control Protocol (DCCP) (Proposed Standard) - 4 of 12  
Token: Allison Mankin
- o Two-document ballot: - 5 of 12
  - draft-ietf-vpim-routing-09.txt  
Voice Message Routing Service (Proposed Standard)
  - draft-ietf-vpim-vpimdir-10.txt  
Voice Messaging Directory Service (Proposed Standard)
 Token: Scott Hollenbeck
- o draft-ietf-mpls-explicit-null-02.txt  
Removing a Restriction on the use of MPLS Explicit NULL (Proposed Standard)  
- 6 of 12  
Token: Alex Zinin
- o draft-ietf-mpls-rsvp-te-attributes-04.txt  
Encoding of Attributes for Multiprotocol Label Switching (MPLS) Label Switched Path (LSP) Establishment Using RSVP-TE (Proposed Standard)  
- 7 of 12  
Token: Alex Zinin
- o draft-ietf-ipv6-link-scoped-mcast-08.txt  
Link Scoped IPv6 Multicast Addresses (Proposed Standard) - 8 of 12  
Token: Margaret Wasserman
- o draft-ietf-ipv6-rfc2462bis-07.txt  
IPv6 Stateless Address Autoconfiguration (Draft Standard) - 9 of 12  
Token: Margaret Wasserman
- o draft-ietf-sasl-anon-05.txt  
The Anonymous SASL Mechanism (Proposed Standard) - 10 of 12  
Token: Sam Hartman
- o draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt  
An Extensible Markup Language (XML) Configuration Access Protocol (XCAP)  
Usage for Manipulating Presence Document Contents (Proposed Standard) - 11 of 12  
Token: Ted Hardie
- o draft-ietf-mip6-mn-ident-option-02.txt  
Mobile Node Identifier Option for Mobile IPv6 (Proposed Standard) - 12 of 12

Token: Thomas Narten

### 2.1.2 Returning Item

- o draft-ietf-pkix-rfc2511bis-08.txt

Internet X.509 Public Key Infrastructure Certificate Request Message

Format

(CRMF) (Proposed Standard) - 1 of 1

Note: Significant changes have been made since the last time the

IESG

looked at this document.&nbsp; I want to make sure that everyone is satisfied before approving it.

Token: Russ Housley

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-gellens-submit-bis-01.txt

Message Submission (Draft Standard) - 1 of 1

Token: Ted Hardie

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-pwe3-tdm-requirements-06.txt

Requirements for Edge-to-Edge Emulation of TDM Circuits over Packet Switching Networks (PSN) (Informational) - 1 of 4

Note: 2005-02-08: chairs indicate a respin is in the works in response to

AD review comments.

Token: Thomas Narten

- o draft-ietf-nsis-rsvp-sec-properties-06.txt

RSVP Security Properties (Informational) - 2 of 4

Token: Allison Mankin

- o draft-ietf-ipdvb-arch-03.txt

A Framework for transmission of IP datagrams over MPEG-2 Networks (Informational) - 3 of 4

Token: Margaret Wasserman  
o draft-ietf-mip6-auth-protocol-04.txt  
Authentication Protocol for Mobile IPv6 (Informational) - 4 of 4  
Note: 2005-02-15: Has a normative dependency on.  
draft-ietf-mip6-mn-ident-option-02.txt, which needs to go through  
IETF. LC  
first.  
Token: Thomas Narten

### 3.1.2 Returning Item

NONE

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a  
reasonable  
contribution to the area of Internet engineering which it covers?  
If  
not, what changes would make it so?"

#### 3.2.1 New Item

o draft-hoffman-wais-uri-03.txt  
The wais URI Scheme (Historic) - 1 of 3  
Token: Ted Hardie  
o draft-hoffman-prospiero-uri-03.txt  
The prospero URI Scheme (Historic) - 2 of 3  
Token: Ted Hardie  
o draft-tesink-urn-clei-00.txt  
A Uniform Resource Name (URN) Namespace for the CLEI Code  
(Informational) -  
3 of 3  
Token: Ted Hardie

#### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document  
represent an end run around the IETF's working groups  
or its procedures? Does this document present an incompatible  
change to IETF technologies as if it were compatible?" Other  
matters may be sent to the RFC Editor in private review.

#### 3.3.1 New Item

o draft-warnicke-network-dns-resolution-05.txt  
A Suggested Scheme for DNS Resolution of Networks and Gateways  
(Informational) - 1 of 1  
Note: 2005-02-23: I've reviewed this and do not believe it conflicts

with.

any IETF work. I think is fine to be published as an Independent.  
Submission.

Token: David Kessens

### 3.3.2 Returning Item

- o draft-carroll-dynmobileip-cdma-04.txt

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R)

Networks

(Informational) - 1 of 2

Note: 2005-02-08: IESG: this document violates a MUST NOT in radius,  
one

that is not insignificant. I.e., it relates to security aspects/  
assumptions

underlying radius.√. So, it 'extends and embraces' an IETF protocol  
in a

way that warrants IETF review/acceptance.

Token: Thomas Narten

- o draft-klensin-idn-tld-04.txt

National and Local Characters for DNS Top Level Domain (TLD) Names

(Informational) - 2 of 2

Note: 2005-02-10: I've reviewed this and do not believe it conflicts  
with.

any IETF work. I think is fine to be published as an Independent.  
Submission

Token: Thomas Narten

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Better-Than-Nothing Security (btns) - 1 of 1

Token: Sam Hartman

#### 4.1.2 Proposed for Approval

- o Language Tag Registry Update (ltrv) - 1 of 3

Token: Ted Hardie

- o Transparent Interconnection of Lots of Links (trill) - 2 of 3

Token: Margaret Wasserman

- o IPv6 over Low power WPAN (6lowpan) - 3 of 3

Token: Thomas Narten

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

NONE

5. Agenda Working Group News

6. IAB News We can use

7. Management Issue

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the March 3, 2005 IESG Teleconference

This package was generated at 16:2:15 EDT, March 2, 2005.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, March 3, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Harald Alvestrand---Will call in  
Rob Austein---Will call in  
Brian Carpenter---Will call in  
Steve Conte---Will call in  
Michelle Cotton---Will call in

Leslie Daigle---Will call in  
Aaron Falk---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Regrets  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in  
David Kessens---Will call in  
Allison Mankin---Will call in  
Thomas Narten--- Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

## TOLL-FREE NUMBERS

Argentina Dial-In #: 08006660275  
Australia Dial-In #: 1800004017  
Austria Dial-In #: 0800293225  
Bahamas Dial-In #: 18003890371  
Belgium Dial-In #: 080070189  
Brazil Dial-In #: 08008916634  
China Dial-In #: 108001400446  
Colombia Dial-In #: 018009198732  
Czech Republic Dial-In #: 800142528  
Denmark Dial-In #: 80880221  
Dominican Republic Dial-In #: 18887514594  
Finland Dial-In #: 0800112488  
France Dial-In #: 0800917496  
Germany Dial-In #: 08001818365  
Greece Dial-In #: 0080016122038903  
Hong Kong Dial-In #: 800901760  
Hungary Dial-In #: 0680015661  
Iceland Dial-In #: 8008234  
Indonesia Dial-In #: 008800105397  
Ireland Dial-In #: 1800550668  
Israel Dial-In #: 18009458905  
Japan Dial-In #: 00531160236  
Korea (South) Dial-In #: 00308140464  
Latvia Dial-In #: 8002033  
Lithuania Dial-In #: 880030145  
Luxembourg Dial-In #: 80024217  
Malaysia Dial-In #: 1800807300  
Mexico Dial-In #: 0018005148732  
Monaco Dial-In #: 80093175  
Netherlands Dial-In #: 08000235265  
New Zealand Dial-In #: 0800441382  
Norway Dial-In #: 80013184  
Poland Dial-In #: 008001114592  
Portugal Dial-In #: 800819682  
Puerto Rico Dial-In #: 18664031409  
Russian Federation Dial-In #: 81080022581012  
Saint Kitts and Nevis Dial-In #: 18007449294  
Singapore Dial-In #: 8001011359  
Spain Dial-In #: 900981518  
South Africa Dial-In #: 0800994887  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905

Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

1.3 Approval of the Minutes  
DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the February 17, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

-----  
Harald Alvestrand / Cisco  
Rob Austein / ISC (IAB Liaison)  
Steve Conte / ICANN (IANA)  
Michelle Cotton / ICANN (IANA)  
Leslie Daigle / Verisign (IAB)  
Aaron Falk / ISI (RFC Editor)  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / VeriSign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Thomas Narten / IBM  
Joyce K. Reynolds / ISI (RFC Editor)  
Dinara Suleymanova / IETF Secretariat  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / ThingMagic  
Alex Zinin / Alcatel

## REGRETS

-----

Jon Peterson / NeuStar, Inc.  
Bert Wijnen / Lucent

## MINUTES

-----

### 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the February 3, 2005 Teleconference were approved.  
The Secretariat will place the minutes in the public archives.

#### 1.2 Documents Approved Since the February 3, 2005 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-ipcdn-qos-mib-12.txt (Proposed Standard)
- o draft-ietf-ldapbis-url-09.txt (Proposed Standard)
- o draft-ietf-entmib-v3-07.txt (Proposed Standard)
- o draft-ietf-adslmib-vdsl-ext-scm-08.txt (Proposed Standard)
- o draft-ietf-adslmib-vdsl-ext-mcm-06.txt (Proposed Standard)

##### 1.2.2 Document Actions

- o draft-haverinen-pppext-eap-sim-16.txt (Informational RFC)
- o draft-arkko-pppext-eap-aka-15.txt (Informational RFC)
- o draft-ietf-trade-voucher-vtsapi-06.txt (Informational RFC)
- o draft-ietf-lemonade-goals-05.txt (Informational RFC)
- o draft-ietf-dna-goals-04.txt (Informational RFC)
- o draft-huston-ip6-iana-registry-05.txt (Informational RFC)

#### 1.3 Review of Action Items

##### DONE:

- o Margaret Wasserman to send new text for the TRILL WG announcement to the Secretariat.

##### DELETED:

##### NONE

##### IN PROGRESS:

- o Applications ADs to evaluate the situation with regards to MIME type review, and see how we can ensure the review turnaround times specified

in the MIME registration procedures.

- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.

- o Allison Mankin to talk to Geoff Huston about reopening his Quality of Service RFC.

- o Allison Mankin to suggest updated reminder text for the agenda package for the RFC Editor documents section.

- o David Kessens to suggest a change to the WG chartering procedures so that milestones are included in the public review messages.

- o The Internet ADs to work with the Routing ADs to determine a co-chair and technical advisor for the TRILL

- WG to get adequate coverage from the Routing Area.

NEW:

- o Harald Alvestrand to propose an initial time line for the IESG's IAOC member selection.

## 1.4 Review of Projects

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-idr-bgp-ext-communities-08.txt - 1 of 6

BGP Extended Communities Attribute (Proposed Standard)

Token: Bill Fenner

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand, Russ Housley, David Kessens, Thomas Narten, and Alex Zinin.\*

- o draft-ietf-mmusic-kmgmt-ext-13.txt - 2 of 6

Key Management Extensions for Session Description Protocol (SDP) and Real Time Streaming Protocol

(RTSP) (Proposed Standard)

Token: Jon Peterson

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman and Russ Housley.\*

- o draft-ietf-mmusic-sdescriptions-09.txt - 3 of 6

Session Description Protocol Security Descriptions for Media Streams (Proposed Standard)

Token: Jon Peterson

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley.\*

o draft-ietf-rohc-context-replication-06.txt - 4 of 6

RObust Header Compression (ROHC):Context Replication for ROHC Profiles (Proposed Standard)

Token: Allison Mankin

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-simple-xcap-06.txt - 5 of 6

The Extensible Markup Language (XML) Configuration Access Protocol (XCAP) (Proposed Standard)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley and Margaret Wasserman.\*

o draft-ietf-simple-xcap-list-usage-05.txt - 6 of 6

Extensible Markup Language (XML) Formats for Representing Resource Lists (Proposed Standard)

Token: Ted Hardie

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

## 2.1.2 Returning Item

o draft-ietf-sip-sctp-06.txt - 1 of 1

The Stream Control Transmission Protocol (SCTP) as a Transport for the Session

Initiation Protocol (SIP) (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman.\*

## 2.2 Individual Submissions

### 2.2.1 New Item

o draft-lee-tls-seed-01.txt - 1 of 3

Addition of SEED Ciphersuites to Transport Layer Security (TLS) (Proposed Standard)

Token: Russ Housley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Russ Housley. The Secretariat will send an individual

submission

Protocol Action Announcement that includes the RFC Editor Note.

o draft-strombergson-shf-05.txt - 2 of 3

The Standard Hexdump Format (Proposed Standard)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand and Scott Hollenbeck.\*

o draft-bellovin-mandate-keymgmt-03.txt - 3 of 3

Guidelines for Cryptographic Key Management (BCP)

Token: Sam Hartman

The document was approved by the IESG pending an RFC Editor Note to be prepared by Sam Hartman. The Secretariat will send an individual submission

Protocol Action Announcement that includes the RFC Editor Note.

## 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-mip6-ro-sec-02.txt - 1 of 4

Mobile IP version 6 Route Optimization Security Design Background (Informational)

Token: Thomas Narten

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

o draft-ietf-rohc-tcp-requirements-08.txt - 2 of 4

Requirements for ROHC IP/TCP Header Compression (Informational)

Token: Allison Mankin

The document was approved by the IESG pending an RFC Editor Note to be prepared by Allison Mankin. The Secretariat will send a working group submission Document Action Announcement that includes the RFC Editor Note.

o draft-ietf-rohc-tcp-field-behavior-04.txt - 3 of 4

TCP/IP Field Behavior (Informational)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Allison Mankin.\*

o draft-ietf-l3vpn-mgt-fwk-03.txt - 4 of 4  
Framework for L3VPN Operations and Management (Informational)  
Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand.\*

### 3.1.2 Returning Item

o draft-ietf-fax-gateway-options-08.txt - 1 of 2  
Guideline of optional services for Internet FAX Gateway (Informational)  
Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

o draft-ietf-fax-gateway-protocol-12.txt - 2 of 2  
Internet FAX Gateway Functions (Informational)  
Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

## 3.2 Individual Submissions Via AD

### 3.2.1 New Item

o draft-sinnreich-sipdev-req-05.txt - 1 of 4  
SIP Telephony Device Requirements and Configuration (Informational)  
Token: Jon Peterson

The document remains under discussion by the IESG in order to resolve points raised by Harald Alvestrand, Ted Hardie, Russ Housley, and David Kessens.\*

o draft-hall-mime-app-mbox-04.txt - 2 of 4  
The APPLICATION/MBOX Media-Type (Informational)  
Token: Scott Hollenbeck

The document was approved by the IESG. The Secretariat will send an individual submission Document Action Announcement.

o Three-document ballot: - 3 of 4  
- draft-katz-submitter-00.txt  
SMTP Service Extension for Indicating the Responsible Submitter of an E-

mail

Message (Experimental)

- draft-lyon-senderid-core-00.txt

Sender ID: Authenticating E-Mail (Experimental)

- draft-lyon-senderid-pra-00.txt

Purported Responsible Address in E-Mail Messages (Experimental)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman, Scott Hollenbeck, Russ Housely, and David Kessens.\*

o draft-schlitt-spf-classic-00.txt - 4 of 4

Sender Policy Framework: Authorizing Use of Domains in E-MAIL (Experimental)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley.\*

### 3.2.2 Returning Item

o draft-kindberg-tag-uri-07.txt - 1 of 1

The 'tag' URI scheme (Informational)

Token: Ted Hardie

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman.\*

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

o draft-zeilenga-ldup-sync-06.txt - 1 of 2

LDAP Content Synchronization Operation (Experimental)

Token: Ted Hardie

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be prepared by Ted Hardie.

o draft-melsen-mac-forced-fwd-03.txt - 2 of 2

MAC-Forced Forwarding: A Method for Traffic Separation on an Ethernet Access

Network (Informational)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Margaret Wasserman.\*

### 3.3.2 Returning Item

o draft-carroll-dynmobileip-cdma-04.txt - 1 of 4

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R) Networks (Informational)

Token: Thomas Narten

The document remains under discussion by the IESG in order to resolve points raised by Thomas Narten.\* The Secretariat will place the document on the agenda

for the next IESG Teleconference (03/03/2005) at the request of the shepherding AD.

o Two-document ballot: - 2 of 4

- draft-sjkoh-rmt-bb-tree-config-03.txt

Reliable Multicast Transport Building Block: Tree Auto-Configuration (Informational)

- draft-chiu-rmt-bb-track-03.txt

Reliable Multicast Transport Building Block: Tree based ACK (TRACK) Mechanisms (Informational)

Token: Allison Mankin

The IESG recommends that the RFC Editor does not publish these documents. The Secretariat will send a "do not publish" message to the RFC Editor that includes an IESG Note to be prepared by Allison Mankin.

o draft-klensin-idn-tld-04.txt - 3 of 4

National and Local Characters for DNS Top Level Domain (TLD) Names (Informational)

Token: Thomas Narten

The document was deferred to the next teleconference (03/03/2005) by Ted Hardie.

o draft-shirasaki-dualstack-service-04.txt - 4 of 4

A Model of IPv6/IPv4 Dual Stack Internet Access Service (Informational)

Token: Thomas Narten

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be prepared by Thomas Narten.

### 3.3.3 For Action

o draft-ford-midcom-p2p-03.txt - 1 of 1

Peer-to-Peer communication across Middleboxes (Informational)

Token: Jon Peterson

The document was discussed. The RFC Editor promised to ask the author whether he was still interested in having the document published as an RFC Editor submission, since other people had said he was no longer interested in publishing.

#### 4. Working Group Actions

##### 4.1 WG Creation

###### 4.1.1 Proposed for IETF Review

o Language Tag Registry Update (ltrv) - 1 of 1

Token: Ted Hardie

The IESG approved the draft WG charter for IETF review pending an edited charter to be provided by Ted Hardie. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (03/03/2005).

###### 4.1.2 Proposed for Approval

o Network Time Protocol (ntp) - 1 of 3

Token: Thomas Narten

The IESG approved the charter for the new working group pending an edited charter to be provided by Thomas Narten. The Secretariat will send a WG Action announcement that includes the edited charter.

o IPv6 over IEEE 802.15.4 (lowpan) - 2 of 3

Token: Thomas Narten

The IESG decided not to approve the WG charter at this time. The Secretariat will place it back on the agenda in the same section for the next IESG Teleconference (03/03/2005).

o Transparent Interconnection of Lots of Links (trill) - 3 of 3

Token: Margaret Wasserman

The WG charter was discussed. The IESG decided to allow additional time for community and IEEE feedback. The Secretariat will place it back on the agenda in the

same section for the next  
IESG Teleconference (03/03/2005).

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

NONE

##### 4.2.2 Proposed for Approval

NONE

#### 5. Working Group News We Can Use

#### 6. IAB News We Can Use

#### 7. Management Issues

##### 7.1 MIME Type registration: Updated Registration of media type "application/nss" (Scott Hollenbeck)

The management issue was discussed. The IESG approved the MIME Type registration for "application/nss."

##### 7.2 Criteria for IAOC members to Nomcom (Harald Alvestrand)

The management issue was discussed. The IESG decided to take this discussion to email, and plans to send the qualifications necessary for IAOC members to the NomCom by Monday, February 21, 2005.

##### 7.3 IESG Procedure for Picking IAOC Member (Harald Alvestrand)

The management issue was discussed.  
Action item: Harald Alvestrand to propose an initial time line for the IESG's IAOC member selection.

-----  
\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG.

## 1. Administrivia

### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: February 21, 2005

- IP    o Applications ADs to evaluate the situation with regards to MIME type review, and see how we can ensure the review turnaround times specified in the MIME registration procedures.
- IP    o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.
- IP    o Allison Mankin to talk to Geoff Huston about reopening his Quality of Service RFC.
- IP    o Allison Mankin to suggest updated reminder text for the agenda package for the RFC Editor documents section.
- IP    o David Kessens to suggest a change to the WG chartering procedures so that milestones are included in the public review messages.
- IP    o The Internet ADs to work with the Routing ADs to determine a co-chair and technical advisor for the TRILL WG to get adequate coverage from the Routing Area.
- IP    o Harald Alvestrand to propose an initial time line for the IESG's IAOC member selection.

## 1. Administrivia

### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 12

o draft-ietf-mpls-bundle-06.txt

Link Bundling in MPLS Traffic Engineering (Proposed Standard)

Note: Has been pulled out of rfc-ed queue for a problem fix. Back to IESG

to approve the changes.

Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Template for draft-ietf-mpls-bundle - Link Bundling in  
MPLS Traffic Engineering to Proposed Standard

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Last Call to expire on: August 13, 2002

Please return the full line with your position.

Yes      No-Objection      Discuss \*      Abstain

|                    |       |       |       |     |
|--------------------|-------|-------|-------|-----|
| Harald Alvestrand  | [ ]   | [ X ] | [ ]   | [ ] |
| Bill Fenner        | [ ]   | [ X ] | [ ]   | [ ] |
| Ted Hardie         | [ ]   | [ ]   | [ ]   | [ ] |
| Sam Hartman        | [ ]   | [ ]   | [ ]   | [ ] |
| Scott Hollenbeck   | [ ]   | [ X ] | [ ]   | [ ] |
| Russ Housley       | [ ]   | [ ]   | [ ]   | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ]   | [ ] |
| Allison Mankin     | [ ]   | [ X ] | [ ]   | [ ] |
| Thomas Narten      | [ ]   | [ X ] | [ ]   | [ ] |
| Jon Peterson       | [ ]   | [ ]   | [ ]   | [ ] |
| Margaret Wasserman | [ ]   | [ ]   | [ ]   | [ ] |
| Bert Wijnen        | [ ]   | [ X ] | [ ]   | [ ] |
| Alex Zinin         | [ ]   | [XX ] | [ X ] | [ ] |
| Steve Bellovin     | [ ]   | [ X ] | [ ]   | [ ] |
| Scott Bradner      | [ X ] | [ ]   | [ ]   | [ ] |
| Randy Bush         | [ ]   | [XX ] | [ X ] | [ ] |

|                  |     |       |     |     |
|------------------|-----|-------|-----|-----|
| Patrik Faltstrom | [ ] | [ X ] | [ ] | [ ] |
| Ned Freed        | [ ] | [ X ] | [ ] | [ ] |
| Erik Nordmark    | [ ] | [ X ] | [ ] | [ ] |
| Jeff Schiller    | [ ] | [ X ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

\* Indicate reason if 'Discuss'.

## DISCUSS

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Alex: Same as for mpls-lsp-hierarchy: the draft contains OSPF & ISIS related details and I don't remember it being LC'ed or reviewed in the corresponding WGs.

Randy: needs to explain WHY/WHEN <id, label> is not sufficient

As further stated in [GMPLS-ROUTING], depending on the nature of resources that form a particular TE link, for the purpose of GMPLS signaling in some cases a combination of <link identifier, label> is sufficient to unambiguously identify the appropriate resource used by an LSP. In other cases, a combination of <link identifier, label> is not sufficient. Such cases are handled by using the link bundling construct which is described in this document.

---

sec cons wimpy. e.g. could i not attack by signaling a phony bundled link and thus overshadow a component link?

^L

To: IETF-Announce;;

Dcc: \*\*\*\*\*

Cc: RFC Editor <rfc-editor@isi.edu>,

Internet Architecture Board <iab@iab.org>, mpls@uu.net

From: The IESG <iesg-secretary@ietf.org>

Subject: Protocol Action: Link Bundling in MPLS Traffic Engineering  
to Proposed Standard

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The IESG has approved the Internet-Draft Link Bundling in MPLS Traffic Engineering <draft-ietf-mpls-bundle-04.txt> as a Proposed Standard. This document is the product of the Multiprotocol Label Switching Working Group. The IESG contact persons are Bert Wijnen and Scott Bradner.

## Technical Summary

A MPLS Traffic Engineering (TE) link is a logical construct that represents a way to group/map the information about certain physical resources (and their properties) that interconnect Label Switch Routers into the information that is used by Constrained SPF for the purpose of path computation, and by GMPLS signaling.

Depending on the nature of resources that form a particular MPLS TE link, for the purpose of GMPLS signaling in some cases a combination of <link identifier, label> is sufficient to unambiguously identify the appropriate resource used by an Label Switched Path. In other cases, a combination of <link identifier, label> is not sufficient. The latter cases are handled by using the link bundling construct that is described in this document.

## Working Group Summary

The MPLS working group supported publication of this document.

## Protocol Quality

This document was reviewed for the IESG by Scott Bradner.

## RFC Editor:

Insert the following paragraph after the second paragraph in Section 4 (Link Bundling):

As an example consider a TE link between a pair of SONET/SDH cross connects, where this TE link is composed of several fibers. In this case the label is a TDM time slot, and moreover, this time slot is significant only within a particular fiber. Thus, when signaling an LSP over such a TE link, one needs to specify not just the identity of the link, but also the identity of a particular fiber within that TE link, as well as a particular label (time slot) within that fiber.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 12

o draft-ietf-msec-mikey-dhmac-09.txt

HMAC-authenticated Diffie-Hellman for MIKEY (Proposed Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-msec-mikey-dhmac-09.txt to Proposed Standard

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Evaluation for draft-ietf-msec-mikey-dhmac-09.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9276&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9276&rfc_flag=0)

Last Call to expire on: 2005-02-15

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

## DISCUSSES AND COMMENTS:

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^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

msec mailing list <msec@securemulticast.org>, msec chair

<canetti@watson.ibm.com>, msec chair <canetti@watson.ibm.com>, msec

chair

<thardjono@verisign.com>

Subject: Protocol Action: 'HMAC-authenticated Diffie-Hellman for  
MIKEY' to Proposed Standard

The IESG has approved the following document:

- 'HMAC-authenticated Diffie-Hellman for MIKEY '  
<draft-ietf-msec-mikey-dhhmac-06.txt> as a Proposed Standard

This document is the product of the Multicast Security Working Group.

The IESG contact persons are Russ Housley and Steve Bellovin.

### Technical Summary

This document describes a light-weight point-to-point key management protocol variant for the multimedia Internet keying (MIKEY) protocol MIKEY, as defined in RFC 3830. In particular, this variant deploys the classic Diffie-Hellman key agreement protocol for key establishment featuring perfect forward secrecy in conjunction with a keyed hash message authentication code for achieving mutual authentication and message integrity of the key management messages exchanged. This protocol addresses the security and performance constraints of multimedia key management in MIKEY.

### Working Group Summary

The MSEC Working Group reached consensus on this document.

### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 12

- o Two-document ballot:

- draft-ietf-dccp-ccid2-08.txt

Profile for DCCP Congestion Control ID 2:TCP-like Congestion Control

(Proposed Standard)

- draft-ietf-dccp-ccid3-09.txt

Profile for DCCP Congestion Control ID 3:TFRC Congestion Control (Proposed Standard)

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dccp-ccid2-08.txt to Proposed Standard,  
draft-ietf-dccp-ccid3-09.txt to Proposed Standard

-----

Evaluation for draft-ietf-dccp-ccid2-08.txt, draft-ietf-dccp-ccid3-09.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9477&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9477&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                   | Yes | No-Objection | Discuss | Abstain |
|-------------------|-----|--------------|---------|---------|
| Harald Alvestrand | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |     |     |     |
|--------------------|-------|-----|-----|-----|
| Ted Hardie         | [ ]   | [ ] | [ ] | [ ] |
| Sam Hartman        | [ ]   | [ ] | [ ] | [ ] |
| Scott Hollenbeck   | [ ]   | [ ] | [ ] | [ ] |
| Russ Housley       | [ ]   | [ ] | [ ] | [ ] |
| David Kessens      | [ ]   | [ ] | [ ] | [ ] |
| Allison Mankin     | [ X ] | [ ] | [ ] | [ ] |
| Thomas Narten      | [ ]   | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ]   | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ]   | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ]   | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ]   | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

dccp mailing list <dccp@ietf.org>,

dccp chair <falk@isi.edu>

Subject: Protocol Action: 'Profile for DCCP Congestion Control ID 2:TCP-like Congestion Control' to Proposed Standard

The IESG has approved the following documents:

- 'Profile for DCCP Congestion Control ID 3:TFRC Congestion Control ' <draft-ietf-dccp-ccid3-09.txt> as a Proposed Standard
- 'Profile for DCCP Congestion Control ID 2:TCP-like Congestion Control ' <draft-ietf-dccp-ccid2-08.txt> as a Proposed Standard

These documents are products of the Datagram Congestion Control Protocol Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

\* Technical Summary

The Datagram Congestion Control Protocol (DCCP) is a transport

protocol that provides bidirectional unicast connections of congestion-controlled unreliable datagrams. DCCP is suitable for applications that transfer fairly large amounts of data, but can benefit from control over the tradeoff between timeliness and reliability. TCP is not well-suited for these applications, since reliable in-order delivery and congestion control can cause arbitrarily long delays. UDP avoids long delays, but UDP applications that implement congestion control must do so on their own. DCCP provides built-in congestion control, including ECN support, for unreliable datagram flows, avoiding the arbitrary delays associated with TCP. It also implements mechanisms for reporting loss, reliable connection setup, teardown, and feature negotiation. The congestion control mechanisms are defined in Congestion Control Profile documents, known as CCIDs.

The profile for Congestion Control Identifier 2, TCP-like Congestion Control, should be used by senders who would like to take advantage of the available bandwidth in an environment with rapidly changing conditions and who are able to adapt to the abrupt changes in the congestion window typical of TCP's Additive Increase Multiplicative Decrease (AIMD) congestion control.

The profile for Congestion Control Identifier 3, TCP-Friendly Rate Control (TFRC), should be used by senders that want a TCP-friendly sending rate, possibly with Explicit Congestion Notification (ECN), while minimizing abrupt rate changes.

#### \* Working Group Summary

The working group reached strong consensus on CCID 2 and 3, following a very detailed review of both.

#### \* Protocol Quality

The mid-development review of DCCP, described in the DCCP writeup, considered the CCIDs as well.

New CCID development for applications not suited by these have begun in the working group. Implementation and deployment experience with DCCP congestion control profiles are encouraged by the Transport Area.

The reviewer for the IESG was Allison Mankin.

RFC Editor Note

(If any)

IANA Note

(If any)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 12

- o draft-ietf-dccp-spec-09.txt

Datagram Congestion Control Protocol (DCCP) (Proposed Standard)

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dccp-spec-09.txt to Proposed Standard

-----

Evaluation for draft-ietf-dccp-spec-09.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9580&rfc_flag=0)

[command=view\\_id&dTag=9580&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9580&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                   | Yes | No-Objection | Discuss | Abstain |
|-------------------|-----|--------------|---------|---------|
| Harald Alvestrand | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck  | [ ] | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |     |     |     |
|--------------------|-------|-----|-----|-----|
| David Kessens      | [ ]   | [ ] | [ ] | [ ] |
| Allison Mankin     | [ X ] | [ ] | [ ] | [ ] |
| Thomas Narten      | [ ]   | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ]   | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ]   | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ]   | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ]   | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

dccp mailing list <dccp@ietf.org>,

dccp chair <falk@isi.edu>

Subject: Protocol Action: 'Datagram Congestion Control Protocol (DCCP)' to Proposed Standard

The IESG has approved the following document:

- 'Datagram Congestion Control Protocol (DCCP) ' <draft-ietf-dccp-spec-09.txt> as a Proposed Standard

This document is the product of the Datagram Congestion Control Protocol Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

\*√. √. Technical Summary

The Datagram Congestion Control Protocol (DCCP) is a transport protocol that provides bidirectional unicast connections of congestion-controlled unreliable datagrams.√. DCCP is suitable for applications that transfer fairly large amounts of data, but can benefit from control over the tradeoff between timeliness and reliability.√. TCP is not well-suited for these applications, since reliable in-order delivery and congestion control can cause arbitrarily long delays.√. UDP avoids long delays, but UDP applications

that implement congestion control must do so on their own. DCCP provides built-in congestion control, including ECN support, for unreliable datagram flows, avoiding the arbitrary delays associated with TCP. It also implements mechanisms for reporting loss, reliable connection setup, teardown, and feature negotiation. The congestion control mechanisms are defined in Congestion Control Profile documents, known as CCIDs.

#### Working Group Summary

There is a strong working group consensus to develop this protocol. The applicability of DCCP to interactive real-time multimedia flows has been somewhat controversial in the working group. The DCCP protocol specification has been developed with just two initial congestion control

profiles, companions to this publication, draft-ietf-dccp-ccid2, and draft-ietf-dccp-ccid3. However, the modular nature of the protocol enables the core specification to be completed while work proceeds on congestion control profiles for interactive real-time applications. There is clear and strong support for applying DCCP to non-realtime streaming and growing interest in other applications as well.

#### Protocol Quality

DCCP has received extensive transport and cross-disciplinary review. Written "expert reviews" were conducted by Eric Rescorla (a security expert), Magnus Westerlund (a multimedia expert and AVT wg chair), and Greg Minshall (a TCP expert), generating many detailed comments and substantive improvements in the protocol. The expert review was followed by a working group "design review" at IETF-57 where the working group and invited experts -- Magnus Westerlund (multimedia), Steve Bellovin (security), and Rob Austein (architecture) -- walked through the spec in detail resulting in additional comments and substantive changes. Additionally, formal modeling was performed showing that DCCP is deadlock-free. The protocol is as mature as is possible without significant implementation experience. The three known implementations were started early in the life of the specification and one (from ICIR) resulted in some relatively major changes to the spec. Recently, it has become known that Kame FreeBSD contains an implementation of DCCP, albeit not matching the final version of the spec. It is expected that feedback from implementors and users will result in further improvements and revisions.

The IESG review of the specification was done by Allison Mankin.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 12

##### o Two-document ballot:

- draft-ietf-vpim-vpimdir-10.txt

Voice Messaging Directory Service (Proposed Standard)

- draft-ietf-vpim-routing-09.txt

Voice Message Routing Service (Proposed Standard)

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-vpim-routing-09.txt to Proposed Standard,

draft-ietf-vpim-vpimdir-10.txt to Proposed Standard

-----

Evaluation for draft-ietf-vpim-routing-09.txt, draft-ietf-vpim-vpimdir-10.txt

can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=5733&rfc_flag=0)

[command=view\\_id&dTag=5733&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=5733&rfc_flag=0)

Last Call to expire on: 2005-02-17

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Harald Alvestrand | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ X ]   | [ ]     |
| Scott Hollenbeck  | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| David Kessens      | [ ] | [ ] | [ ] | [ ] |
| Allison Mankin     | [ ] | [ ] | [ ] | [ ] |
| Thomas Narten      | [ ] | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Discuss:

Security does not seem to be handled by the VPIM message routing service even in the LDAP model.

In particular, there is no way to interoperably know that I have not been maliciously redirected to the wrong LDAP server. Even if TLS is used, the traditional LDAP rules about certificate matching will be inappropriate for this application.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
 To: IETF-Announce <ietf-announce@ietf.org>  
 Cc: Internet Architecture Board <iab@iab.org>,  
 RFC Editor <rfc-editor@rfc-editor.org>,  
 vpim mailing list <vpim@ietf.org>,  
 vpim chair <gparsons@nortel.com>  
 Subject: Protocol Action: 'Voice Messaging Directory Service' to  
 Proposed Standard

The IESG has approved the following documents:

- 'Voice Message Routing Service '  
     <draft-ietf-vpim-routing-09.txt> as a Proposed Standard
- 'Voice Messaging Directory Service '  
     <draft-ietf-vpim-vpimdir-10.txt> as a Proposed Standard

These documents are products of the Voice Profile for Internet Mail

Working  
Group.

The IESG contact persons are Scott Hollenbeck and Ted Hardie.

#### Technical Summary

The VPIM directory schema provides essential additional attributes to recreate the voice mail user experience using standardized directories. This user experience provides, at the time of addressing, basic assurances that the message will be delivered as intended.

The VPIM routing document describes two mechanisms by which a sending VPIM system may determine the destination mailbox given a telephone number. Both mechanisms build upon ENUM. One mechanism utilizes an LDAP query to determine recipient capabilities and retrieve address confirmation information such as a spoken or text name.

#### Working Group Summary

These documents are products of the Voice Profile for Internet Mail (vpim) working group. Consensus to publish the documents was reached. Comments received during the IETF last call have been addressed.

#### Protocol Quality

Scott Hollenbeck has reviewed this specification for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 12

- o draft-ietf-mpls-explicit-null-02.txt
- Removing a Restriction on the use of MPLS Explicit NULL (Proposed Standard)

Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-mpls-explicit-null-02.txt to Proposed Standard

-----

Evaluation for draft-ietf-mpls-explicit-null-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11693&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11693&rfc_flag=0)

Last Call to expire on: 2004-12-15

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ X ] | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Discuss:

Two security reviewers failed to be able to understand what this document actually does. In particular it fails to define what an explicit null is used for in an MPLS stack and what the semantics of an explicit null in the middle of a stack would be. The document does helpfully state these semantics are obvious.

Both reviewers believed a paragraph describing what an explicit null

is used for and what it would mean to find one in the middle of an MPLS stack would improve the readability of the document significantly. I concur.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mpls mailing list <mpls@lists.ietf.org>,

mpls chair <swallow@cisco.com>,

mpls chair <loa@pi.se>

Subject: Protocol Action: 'Removing a Restriction on the use of MPLS Explicit NULL' to Full Standard

The IESG has approved the following document:

- 'Removing a Restriction on the use of MPLS Explicit NULL ' <draft-ietf-mpls-explicit-null-01.txt> as a Full Standard

This document is the product of the Multiprotocol Label Switching Working Group.

The IESG contact persons are Alex Zinin and Bill Fenner.

#### Technical Summary

The label stack encoding for MPLS (Multi-protocol Label Switching) defines a reserved label value known as "IPv4 Explicit NULL" and a reserved label value known as "IPv6 Explicit NULL". Previously, these labels were only legal when they occurred at the bottom of the MPLS label stack. This restriction is now removed, so that these label values may legally occur anywhere in the stack.

#### Working Group Summary

The Working Group had a consensus on advancing this document.

#### Protocol Quality

The Document has been reviewed for the IESG by Alex Zinin. The document

has been reviewed by the RTG area directorate (Danny McPherson).

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the

Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 12

- o draft-ietf-mpls-rsvp-te-attributes-04.txt

Encoding of Attributes for Multiprotocol Label Switching (MPLS)

Label

Switched Path (LSP) Establishment Using RSVP-TE (Proposed Standard)

Token: Alex Zinin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mpls-rsvp-te-attributes-04.txt to  
Proposed

Standard

-----

Evaluation for draft-ietf-mpls-rsvp-te-attributes-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=10917&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10917&rfc_flag=0)

Last Call to expire on: 2004-12-15

Please return the full line with your position.

|                   | Yes | No-Objection | Discuss | Abstain |
|-------------------|-----|--------------|---------|---------|
| Harald Alvestrand | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ] | [ X ]        | [ ]     | [ ]     |
| Scott Hollenbeck  | [ ] | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ] | [ ]          | [ X ]   | [ ]     |
| David Kessens     | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |     |     |     |
|--------------------|-------|-----|-----|-----|
| Allison Mankin     | [ ]   | [ ] | [ ] | [ ] |
| Thomas Narten      | [ ]   | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ]   | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ]   | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ]   | [ ] | [ ] | [ ] |
| Alex Zinin         | [ X ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Discuss:

The IANA Considerations are not sufficient. Section 10 define a new TLV space, but the rules for making additional assignments are not provided. Further, section 10.5 does not indicate which IANA registry should be used to assign the new error code values.

Comment:

Section 1.1 says:

>

> The RSVP-TE signaling protocol also forms the basis of a signaling  
> protocol for Generalized MPLS (GMPLS) as described in [RFC3471] and  
> [RFC3473]. The extensions described in this document are intended to  
> be equally applicable to MPLS and GMPLS.

>

I would like to see the title and abstract reflect this situation.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mpls mailing list <mpls@lists.ietf.org>,

mpls chair <swallow@cisco.com>,

mpls chair <loa@pi.se>

Subject: Protocol Action: 'Encoding of Attributes for Multiprotocol  
Label Switching (MPLS) Label Switched Path (LSP) Establishment

Using

RSVP-TE' to Proposed Standard

The IESG has approved the following document:

- 'Encoding of Attributes for Multiprotocol Label Switching (MPLS) Label Switched Path (LSP) Establishment Using RSVP-TE '  
<draft-ietf-mpls-rsvpte-attributes-04.txt> as a Proposed Standard

This document is the product of the Multiprotocol Label Switching Working Group.

The IESG contact persons are Alex Zinin and Bill Fenner.

#### Technical Summary

This document defines a new object for RSVP-TE messages that allows the signaling of further attribute bits and also the carriage of arbitrary attribute parameters to make RSVP-TE easily extensible to support new requirements. Additionally, this document defines a way to record the attributes applied to the LSP on a hop-by-hop basis.

#### Working Group Summary

The WG had a consensus on advancing this document.

#### Protocol Quality

The document has been reviewed by Mike Shand and Ross Callon for the RTG directorate. The document has been reviewed by Alex Zinin for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 8 of 12

o draft-ietf-ipv6-link-scoped-mcast-08.txt  
Link Scoped IPv6 Multicast Addresses (Proposed Standard)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ipv6-link-scoped-mcast-08.txt to  
Proposed  
Standard

-----

Evaluation for draft-ietf-ipv6-link-scoped-mcast-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=8713&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8713&rfc_flag=0)

Last Call to expire on: 2004-11-13

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment:

The header needs to indicate that this document updates RFC 3306.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ipv6 mailing list <ipv6@ietf.org>, ipv6 chair  
<bob.hinden@nokia.com>, ipv6  
chair <brian@innovationslab.net>  
Subject: Protocol Action: 'Link Scoped IPv6 Multicast Addresses' to  
Proposed Standard

The IESG has approved the following document:

- 'Link Scoped IPv6 Multicast Addresses '  
<draft-ietf-ipv6-link-scoped-mcast-06.txt> as a Proposed Standard

This document is the product of the IP Version 6 Working Group Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

#### Technical Summary

This document specifies an extension to the multicast addressing architecture of the IPv6 protocol. The extension allows for the use of Interface Identifiers (IIDs) to allocate multicast addresses. When a link-local unicast address is configured at each interface of a node, an IID is uniquely determined. After that, each node can generate their unique multicast addresses automatically without conflicts. Basically, this document proposes an alternative method for creating link-local multicast addresses over a known method like unicast-prefix-based IPv6 multicast addresses. It is preferred to use this method for link-local scope rather than unicast-prefix-based IPv6 multicast addresses. This memo update RFC3306.

#### Working Group Summary

This document was produced by the IPv6 WG.

#### Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 9 of 12

- o draft-ietf-ipv6-rfc2462bis-07.txt  
IPv6 Stateless Address Autoconfiguration (Draft Standard)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ipv6-rfc2462bis-07.txt to Draft Standard

-----

Evaluation for draft-ietf-ipv6-rfc2462bis-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11541&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11541&rfc_flag=0)

Last Call to expire on: 2005-01-28

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |

Alex Zinin                    [   ]        [   ]        [   ]        [   ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Discuss:

Steve Bellovin pointed out the following text in the security considerations section:

>These attacks can be addressed by requiring  
>    that Neighbor Discovery packets be authenticated with IP security  
>    [RFC2402]. However, it should be noted that [RFC3756] points out  
the  
>    use of IP security is not always feasible depending on network  
>    environments.

IPsec really isn't a good fit for neighbor discovery; SEND is the solution we have come up with to solve these problems. I realize we cannot have a normative reference to SEND from this specification. An informative reference might be acceptable. Either way I request that the text on IPsec be deleted. AT best it will lead people down the wrong path.

Russ Housley:

Discuss:

RFC 3756 says that IPsec really does not work for neighbor discovery. Even if it does work in some cases, there is not enough detail in this document to say how to use it. SEND is the answer, of course. However, this document cannot have a normative reference to SEND because this document is going for publication as Draft Standard.

My recommendation is to delete the text regarding the use of IPsec and replace it with an Informative reference to SEND. I think this is better than misleading the reader.

Comment:

I suggest adding another event to section 5.3. Consider an event

that indicates that the physical network connectivity may have changed. Such events include a carrier down/carrier sequence on an Ethernet NIC, a change of SSID on an 802.11 network, or waking up from a "sleep" period.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ipv6 mailing list <ipv6@ietf.org>,

ipv6 chair <bob.hinden@nokia.com>,

ipv6 chair <brian@innovationslab.net>

Subject: Protocol Action: 'IPv6 Stateless Address Autoconfiguration'  
to Draft Standard

The IESG has approved the following document:

- 'IPv6 Stateless Address Autoconfiguration '  
<draft-ietf-ipv6-rfc2462bis-07.txt> as a Draft Standard

This document is the product of the IP Version 6 Working Group Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

#### Technical Summary

This document specifies the steps a host takes in deciding how to autoconfigure its interfaces in IP version 6. The autoconfiguration process includes generating a link-local address, generating global addresses via stateless address autoconfiguration, and the Duplicate Address Detection procedure to verify the uniqueness of the addresses on a link.

This document is an update to RFC2462, based on implementation and deployment experience.

#### Working Group Summary

This document was produced by the IPv6 WG.

## Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 10 of 12

- o draft-ietf-sasl-anon-05.txt

The Anonymous SASL Mechanism (Proposed Standard)

Token: Sam Hartman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-sasl-anon-05.txt to Proposed Standard

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Evaluation for draft-ietf-sasl-anon-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9803&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9803&rfc_flag=0)

Last Call to expire on: 2004-12-17

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ X ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Discuss:

Section 1 says:

"The trace information, which has no semantical value, should take one of two forms: an Internet email address, an opaque string which does not contain the '@' (U+0040) character and can be interpreted by the system administrator of the client's domain. For privacy reasons, an Internet email address or other information identifying the user should only be used with permission from the user."

I don't see a description of the second form. Is the word "or" missing between "an Internet email address" and "an opaque string"?

Russ Housley:

Comment:

The Abstract should note that this document obsoletes RFC 2245.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
sasl mailing list <ietf-sasl@imc.org>,  
sasl chair <kurt@openLDAP.org>  
Subject: Protocol Action: 'The Anonymous SASL Mechanism' to Proposed  
Standard

The IESG has approved the following document:

- 'The Anonymous SASL Mechanism '  
<draft-ietf-sasl-anon-04.txt> as a Proposed Standard

This document is the product of the Simple Authentication and Security  
Layer  
Working Group.

The IESG contact persons are Sam Hartman and Russ Housley.

#### Technical Summary

It is common practice on the Internet to permit anonymous access to  
various services. The anonymous mechanism of the Simple  
Authentication and Security Layer framework provides a way to request  
anonymous access to a network service and to provide trace  
information  
to that service. This document obsoletes RFC 2245.

#### Working Group Summary

The SASL working group reached rough consensus on this mechanism.

#### Protocol Quality

The specification was reviewed for the IESG by Sam Hartman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 11 of 12

o draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt

An Extensible Markup Language (XML) Configuration Access Protocol (XCAP)

Usage for Manipulating Presence Document Contents (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt to

Proposed Standard

-----

Evaluation for draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt can be

found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11801&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11801&rfc_flag=0)

Last Call to expire on: 2004-12-28

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

simple mailing list <simple@ietf.org>,

simple chair <RjS@xten.com>,

simple chair <hisham.khartabil@telio.no>

Subject: Protocol Action: 'An Extensible Markup Language (XML)

Configuration Access Protocol (XCAP) Usage for Manipulating  
Presence

Document Contents' to Proposed Standard

The IESG has approved the following document:

- 'An Extensible Markup Language (XML) Configuration Access Protocol  
(XCAP)

Usage for Manipulating Presence Document Contents '

<draft-ietf-simple-xcap-pidf-manipulation-usage-02.txt> as a Proposed  
Standard

This document is the product of the SIP for Instant Messaging and  
Presence

Leveraging Extensions Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

Technical Summary

This document describes a usage of the Extensible Markup Language  
(XML) Configuration Access Protocol (XCAP) for manipulating the  
contents of Presence Information Data Format (PIDF) based presence  
document. It is intended to be used in Session Initiation Protocol  
(SIP) based presence systems, where the Event State Compositor can  
use the XCAP-manipulated presence document as one of the inputs on  
which it builds the overall presence state for the presentity.

## Working Group Summary

The working group came to consensus on this document. There were revisions suggested during IETF Last Call, and this version reflects changes made in response to those suggestions.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 12 of 12

- o draft-ietf-mip6-mn-ident-option-02.txt  
Mobile Node Identifier Option for Mobile IPv6 (Proposed Standard)  
Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mip6-mn-ident-option-02.txt to Proposed Standard

-----

Evaluation for draft-ietf-mip6-mn-ident-option-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12617&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12617&rfc_flag=0)

Last Call to expire on: 2005-03-01

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Discuss:

This document fails to explain how the identity option interacts with the IKE identity payloads or really how it interacts at all with the base MIPV6 spec.

This needs to be explained. IT may have been the intent that this option not be used with base MIPV6 but for example only used with the authentication option and other extensions. If so, that needs to be explained and there needs to be at least one such use that is standards track if this is going to be published as standards track.

In addition, this specification does not make any particular form of the identity option mandatory to implement. To create interoperable implementations, this specification needs to specify a mandatory to implement form of the option.

Scott Hollenbeck:

Comment:

RFC 2119 should be added as a normative reference. It's mentioned in section 2, but not cited.

Russ Housley:

Comment:

In the Abstract: s/Mobile IP6/Mobile IPv6/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mip6 mailing list <mip6@ietf.org>,

mip6 chair <basavaraj.patil@nokia.com>,

mip6 chair <gdommety@cisco.com>

Subject: Protocol Action: 'Mobile Node Identifier Option for Mobile IPv6' to Proposed Standard

The IESG has approved the following document:

- 'Mobile Node Identifier Option for Mobile IPv6 '  
<draft-ietf-mip6-mn-ident-option-02.txt> as a Proposed Standard

This document is the product of the Mobility for IPv6 Working Group.

The IESG contact persons are Thomas Narten and Margaret Wasserman.

#### Technical Summary

Mobile IPv6 defines a new Mobility header that is used by mobile nodes, correspondent nodes, and home agents in all messaging related to the creation and management of bindings. Mobile IPv6 nodes need the capability to identify themselves using an identity other than the default home IP address. Some examples of identifiers include NAI, FQDN, IMSI, MSISDN, etc. This document defines a new mobility

option that can be used by Mobile IPv6 entities to identify themselves in messages containing a mobility header.

#### Working Group Summary

The working group has discussed the need for such an identifier at several WG meetings as well as on the mailing list. The need for alternate identifiers such as NAI, IMSI etc. arises from the deployment needs of Mobile IPv6 by 3GPP2. 3GPP2 specification 835-Rev D is currently being worked on and this feature has been identified as a necessity for incorporating Mobile IPv6 in the standard. WG LC has been completed. No major issues were identified during the last call process.

#### Protocol Quality

No known implementations of the protocol exist at this time. However there exist plans to implement this protocol since it is required for deployment in 3GPP2 based networks. Revision D of TIA 835 specifies the need for such an identifier to be included in the mobility header of the registration messages.

This document has been reviewed for the IESG by Thomas Narten.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the

Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.2 Returning Item - 1 of 1

o draft-ietf-pkix-rfc2511bis-08.txt

Internet X.509 Public Key Infrastructure Certificate Request Message  
Format

(CRMF) (Proposed Standard)

Note: Significant changes have been made since the last time the  
IESG

looked at this document.&nbsp; I want to make sure that everyone is  
satisfied before approving it.

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-pkix-rfc2511bis - Internet X.509 Public  
Key Infrastructure Certificate Request Message Format (CRMF)  
to Proposed Standard

-----

Last Call to expire on: 2003-2-24

Please return the full line with your position.

Yes      No-Objection      Discuss \*      Abstain

|                    |       |       |       |     |
|--------------------|-------|-------|-------|-----|
| Harald Alvestrand  | [ ]   | [ X ] | [ ]   | [ ] |
| Bill Fenner        | [ ]   | [ X ] | [ ]   | [ ] |
| Ted Hardie         | [ ]   | [ XX] | [ X ] | [ ] |
| Sam Hartman        | [ ]   | [ ]   | [ ]   | [ ] |
| Scott Hollenbeck   | [ ]   | [ X ] | [ ]   | [ ] |
| Russ Housley       | [ X ] | [ ]   | [ XX] | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ]   | [ ] |
| Allison Mankin     | [ ]   | [ X ] | [ ]   | [ ] |
| Thomas Narten      | [ ]   | [ X ] | [ ]   | [ ] |
| Jon Peterson       | [ ]   | [ X ] | [ ]   | [ ] |
| Margaret Wasserman | [ ]   | [ ]   | [ ]   | [ ] |
| Bert Wijnen        | [ ]   | [ X ] | [ ]   | [ ] |
| Alex Zinin         | [ ]   | [ X ] | [ ]   | [ ] |
| Steve Bellovin     | [ ]   | [ X ] | [ XX] | [ ] |
| Randy Bush         | [ ]   | [ X ] | [ ]   | [ ] |

|               |     |       |     |     |
|---------------|-----|-------|-----|-----|
| Ned Freed     | [ ] | [ X ] | [ ] | [ ] |
| Erik Nordmark | [ ] | [ X ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

\* Indicate reason if 'Discuss'.

DISCUSS:

=====

Russ Housley DISCUSS (12/16/2004):

draft-ietf-pkix-rfc2511bis-07 has several items marked with [[[Text...]]]. In 4.4, for example, it has:

The fields of PEMParameter have the following meaning:

salt contains a randomly generated value in computing the key of the MAC process. [[[QUESTION What should the legtn be?]]]

There is also at least one marked [[[BLOCKING ISSUE...]]]. So, this version is not ready for publication.

Ted:

In section 6, the document says that "this list may expand over time" for controls syntax but does not indicate how. A similar statement is made for Publication Information Control in section 6.3. An explicit statement of how this works is needed.

In 6.3, is the order of SinglePubInfo important? The pubLocation looks scary. The client specifies an IP address: are A and AAAA both allowed?

There are references in the appendices; I think it would be better to have them all together.

Notes:

Section 2a: for "requested" certificate fields, it would be useful to explicitly say which party(ies) can request.

Is section 2b: may be calculated--is this MAY be, or "is calculated"?

In section 3: This field may be calculated--is this MAY be or "is calculated"?

In section 4.4, the last paragraph would be better if it had an

explicit pointer  
to the threat model.

Steve:

Change me to a DISCUSS -- there's no "changes since 2511" section.

COMMENTS:

=====

Bert:

ID-NITs:

- : 9 lines longer than 72 characters, max 74
- : 1 pages longer than 58 lines, max 1508 lines  
(probably my awk script does not properly recognize  
pagination here).
- Missing normative reference to RFC2119
- Missing IPR section
- page 18:

mail\_email?john@acme.com%  
should probably be  
mail\_email?john@example.com%  
And this comes back on subsequent pages too

Other nits:

- I see noramtive references (sect 9) on page 13  
And then I see more "references" on page 16 (in middle of  
appendix?)
- acknowledgement section occurs twice?

I trust the security ADs to have properly checked the technical  
content. Russ, did you actually check that ASN.1 material does  
pass SYNTAX checker? I don;t have easy access to one at the  
moment.

Steve:

I suspect that the Security Considerations section should be reworded  
to speak explicitly about traffic analysis. I think that that's what  
the last sentence is trying to warn about; it should be more explicit.

^L

To: IETF-Announce;;

Dcc: \*\*\*\*\*

Cc: RFC Editor <rfc-editor@isi.edu>,  
Internet Architecture Board <iab@iab.org>, ietf-pkix@imc.org  
From: The IESG <iesg-secretary@ietf.org>  
Subject: Protocol Action: Internet X.509 Public Key Infrastructure  
Certificate Request Message Format (CRMF) to Proposed Standard  
-----

The IESG has approved the Internet-Draft 'Internet X.509 Public Key Infrastructure - Certificate Request Message Format (CRMF)' <draft-ietf-pkix-rfc2511bis-06.txt> as a Proposed Standard. This document is the product of the PKIX Working Group.

#### Technical Summary

This document obsoletes RFC 2511.

This document describes the Certificate Request Message Format (CRMF). This syntax is used to convey a request for a certificate to a Certification Authority (CA), possibly via a Registration Authority (RA), for the purposes of X.509 certificate production. The request will typically include a public key and associated registration information.

#### Working Group Summary

The Working Group came to consensus on this document.

#### Protocol Quality

This document was reviewed by Jeffrey I. Schiller for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 1 of 1

- o draft-gellens-submit-bis-01.txt

Message Submission (Draft Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-gellens-submit-bis-01.txt to Draft Standard

-----

Evaluation for draft-gellens-submit-bis-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11926&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11926&rfc_flag=0)

Last Call to expire on: 2005-02-24

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Scott Hollenbeck   | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment:

Section 3.3 says:

>

> Secure IP [IPSEC] can also be used, and provides additional benefits  
> of protection against eavesdropping and traffic analysis.

>

The level of protection against traffic analysis is pretty low.

While the observer cannot see the email headers or body, the observer can see the volume and timing of traffic from each client to the MSA.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Message Submission' to Draft Standard

The IESG has approved the following document:

- 'Message Submission '  
    <draft-gellens-submit-bis-01.txt> as a Draft Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document describes a message submission service which is distinct from message relay; this allows each service to operate according to its own rules. It specifies what actions are to be taken by a submission server. When conformant to this document, message submission uses the protocol specified here, normally over port 587. Message relay is unaffected, and continues to use SMTP over port 25.

#### Working Group Summary

This update is the product of individual submitters. The implementation reports submitted indicate that this service has been widely implemented and should advance along the standards track.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 1 of 4

o draft-ietf-pwe3-tdm-requirements-06.txt

Requirements for Edge-to-Edge Emulation of TDM Circuits over Packet Switching Networks (PSN) (Informational)

Note: 2005-02-08: chairs indicate a respin is in the works in response to

AD review comments.

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-pwe3-tdm-requirements-06.txt to Informational

RFC

-----

Evaluation for draft-ietf-pwe3-tdm-requirements-06.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=9910&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9910&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                   | Yes | No-Objection | Discuss | Abstain |
|-------------------|-----|--------------|---------|---------|
| Harald Alvestrand | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |     |       |     |
|--------------------|-------|-----|-------|-----|
| Bill Fenner        | [ ]   | [ ] | [ ]   | [ ] |
| Ted Hardie         | [ ]   | [ ] | [ ]   | [ ] |
| Sam Hartman        | [ ]   | [ ] | [ ]   | [ ] |
| Scott Hollenbeck   | [ ]   | [ ] | [ ]   | [ ] |
| Russ Housley       | [ ]   | [ ] | [ X ] | [ ] |
| David Kessens      | [ ]   | [ ] | [ ]   | [ ] |
| Allison Mankin     | [ ]   | [ ] | [ ]   | [ ] |
| Thomas Narten      | [ X ] | [ ] | [ ]   | [ ] |
| Jon Peterson       | [ ]   | [ ] | [ ]   | [ ] |
| Margaret Wasserman | [ ]   | [ ] | [ ]   | [ ] |
| Bert Wijnen        | [ ]   | [ ] | [ ]   | [ ] |
| Alex Zinin         | [ ]   | [ ] | [ ]   | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Discuss:

The Security Considerations say:

>

> The security considerations listed in [PWE3-REQ] fully cover also to  
> the emulation of TDM circuits.

>

The Security Considerations in [PWE3-REQ] do not address packet delay, which is clearly important in the emulation of TDM. At a minimum, a pointer to section 7.6 needs to be added to the Security Considerations.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

pwe3 mailing list <pwe3@ietf.org>,

pwe3 chair <stbryant@cisco.com>,

pwe3 chair <danny@tcb.net>

Subject: Document Action: 'Requirements for Edge-to-Edge Emulation of  
TDM Circuits over Packet Switching Networks (PSN)' to

Informational

## RFC

The IESG has approved the following document:

- 'Requirements for Edge-to-Edge Emulation of TDM Circuits over Packet Switching Networks (PSN) '  
    <draft-ietf-pwe3-tdm-requirements-06.txt> as an Informational RFC

This document is the product of the Pseudo Wire Emulation Edge to Edge Working Group.

The IESG contact persons are Thomas Narten and Margaret Wasserman.

### Technical Summary

The PWE3 WG is defining mechanisms for carrying lower-layer protocols (e.g., L2) over IP and MPLS networks and emulating the services they provide. This document defines the requirements for edge-to-edge-emulation of circuits carrying Time Division Multiplexed digital (TDM) signals of the Plesiochronous Digital Hierarchy (PDH) as well as the Synchronous Optical NETwork (SONET)/Synchronous Digital Hierarchy (SDH) over packet-switched networks.

The requirements are aligned to the common architecture for PWE3. It makes references to the generic requirements for PWE3 where applicable and complements them by defining requirements originating from specifics of TDM circuits.

### Working Group Summary

There was consensus for this document in the WG.

### Protocol Quality

This document has been reviewed for the IESG by Thomas Narten.

### RFC Editor Note

(Insert RFC Editor note here)

### IESG Note

(Insert IESG Note here)

### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 2 of 4

- o draft-ietf-nsis-rsvp-sec-properties-06.txt  
RSVP Security Properties (Informational)  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-nsis-rsvp-sec-properties-06.txt to  
Informational RFC

-----

Evaluation for draft-ietf-nsis-rsvp-sec-properties-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9625&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9625&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Harald Alvestrand | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck  | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin    | [ X ] | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Thomas Narten      | [ ] | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment:

A one sentence summary of the NSIS WG activities would make the Introduction more clear.

[22] should point to RFC 3280.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

nsis mailing list <nsis@ietf.org>,

nsis chair <john.loughney@nokia.com>

Subject: Document Action: 'RSVP Security Properties' to Informational RFC

The IESG has approved the following document:

- 'RSVP Security Properties '  
     <draft-ietf-nsis-rsvp-sec-properties-06.txt> as an Informational RFC

This document is the product of the Next Steps in Signaling Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"

##### 3.1.1 New Item - 3 of 4

###### o draft-ietf-ipdvb-arch-03.txt

A Framework for transmission of IP datagrams over MPEG-2 Networks  
(Informational)

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ipdvb-arch-03.txt to Informational RFC

-----

Evaluation for draft-ietf-ipdvb-arch-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11960&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11960&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                   | Yes | No-Objection | Discuss | Abstain |
|-------------------|-----|--------------|---------|---------|
| Harald Alvestrand | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |     |       |     |
|--------------------|-------|-----|-------|-----|
| Ted Hardie         | [ ]   | [ ] | [ ]   | [ ] |
| Sam Hartman        | [ ]   | [ ] | [ ]   | [ ] |
| Scott Hollenbeck   | [ ]   | [ ] | [ ]   | [ ] |
| Russ Housley       | [ ]   | [ ] | [ X ] | [ ] |
| David Kessens      | [ ]   | [ ] | [ ]   | [ ] |
| Allison Mankin     | [ ]   | [ ] | [ ]   | [ ] |
| Thomas Narten      | [ ]   | [ ] | [ ]   | [ ] |
| Jon Peterson       | [ ]   | [ ] | [ ]   | [ ] |
| Margaret Wasserman | [ X ] | [ ] | [ ]   | [ ] |
| Bert Wijnen        | [ ]   | [ ] | [ ]   | [ ] |
| Alex Zinin         | [ ]   | [ ] | [ ]   | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Discuss:

In section 8, 5th paragraph, the text says:

>  
 > A related role for subnetwork security is to protect users against  
 > traffic analysis, i.e., identifying the communicating parties (by IP  
 > or MAC address) and determining their communication patterns, even  
 > when their actual contents are protected by strong end-to-end  
 > security mechanisms (this is important for networks such as  
 > broadcast/radio, where eaves-dropping is easy).

>  
 I agree that the link layer is the only place in the protocol stack  
 to protect against traffic analysis. However, most link layer  
 security protocols do not provide this service. For example, the  
 encryption provided by IEEE 802.11i does not cover the MAC addresses.  
 I do not know about the MPE encryption capabilities. Does MPE  
 protect layer 2 address information?

In section 8.1, 2nd paragraph, the text says:

>  
 > MPE supports optional link encryption using a pair of bits within  
 > the MPE protocol header to indicate the use of encryption. To  
 > support optional link level encryption, it is recommended that a new  
 > encapsulation also supports optional encryption of the SNDU payload.  
 > Furthermore, it may be desirable to encrypt/authenticate some/all of  
 > the SNDU headers. However, the specification must provide  
 > appropriate code points to allow such encryption to be implemented  
 > at the link layer.

>

I take the first sentence as tutorial. The rest confuses me. I think it is saying that MPE encryption is not supported by this specification, and making some recommendations to future authors that might want to write a specification to support it.

Comment:

In section 8.1, 3rd paragraph:  
s!PGP!OpenPGP!

In section 8.1, 1st paragraph:  
s!SSL!TLS!  
s!PGP!OpenPGP, S/MIME!

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ipdvb mailing list <ipdvb@erg.abdn.ac.uk>,  
ipdvb chair <gorry@erg.abdn.ac.uk>

Subject: Document Action: 'A Framework for transmission of IP  
datagrams over MPEG-2 Networks' to Informational RFC

The IESG has approved the following document:

- 'A Framework for transmission of IP datagrams over MPEG-2 Networks '  
<draft-ietf-ipdvb-arch-03.txt> as an Informational RFC

This document is the product of the IP over DVB Working Group.

The IESG contact persons are Margaret Wasserman and Thomas Narten.

#### Technical Summary

This document describes an architecture for the transport of IP Datagrams over ISO MPEG-2 Transport Streams (TS). The MPEG-2 TS has been widely accepted not only for providing digital TV services but also as a subnetwork technology for building IP networks. Examples of systems using MPEG-2 include the Digital Video

Broadcast (DVB) and Advanced Television Systems Committee (ATSC) Standards for Digital Television.

The document identifies the need for a set of Internet standards defining the interface between the MPEG-2 Transport Stream and an IP subnetwork. It suggests a new encapsulation method for IP datagrams and proposes protocols to perform IPv6/IPv4 address resolution, to associate IP packets with the properties of the Logical Channels provided by an MPEG-2 TS.

#### Working Group Summary

This document was produced by the IPDVB working group.

#### Protocol Quality

This document has been reviewed for the IESG by Margaret Wasserman.

#### RFC Editor Note

The following line should be removed from section 2:

A2. Conventions Used In This Document

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If

not, what changes would make it so?"

##### 3.1.1 New Item - 4 of 4

- o draft-ietf-mip6-auth-protocol-04.txt  
Authentication Protocol for Mobile IPv6 (Informational)  
Note: 2005-02-15: Has a normative dependency on.  
draft-ietf-mip6-mn-ident-option-02.txt, which needs to go through  
IETF<br>LC first.  
Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-mip6-auth-protocol-04.txt to  
Informational RFC

-----

Evaluation for draft-ietf-mip6-auth-protocol-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11957&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11957&rft_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes | No-Objection | Discuss | Abstain |
|--------------------|-----|--------------|---------|---------|
| Harald Alvestrand  | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ] | [ ]          | [ X ]   | [ ]     |
| Scott Hollenbeck   | [ ] | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ] | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ] | [ ]          | [ X ]   | [ ]     |
| Jon Peterson       | [ ] | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ] | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ] | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Discuss:

This document attempts to establish a way of authenticating MIP6

traffic without the use of IPsec. The IPsec solution is fairly well complete: IKE provides for the use of a variety of credential types to set up security associations; IPsec provides for confidentiality and authentication of messages. Assumptions about IPsec and the available services are included throughout MIP6, particularly in route optimization. In contrast, this protocol only provides part of the non-IPsec solution. It authenticates binding updates from the MN to the HA. In effect, the document authors are saying that they don't like IPsec and so they are going to get rid of it and only build the part that corresponds to AH. That might be OK for 3GPP; they may have proprietary parts of the rest of the infrastructure and not need to invent replacements for the rest of the IPsec dependencies. However outside of such an environment this document presents a much weaker security picture than the existing MIPv6 specifications. As such it is my preference that this document not be published.

If this document is going to be published, we need to actually do the rest of the work necessary to replacing IPsec. At a minimum that would include some sort of confidentiality solution for RO and prefix discovery. It would also require some mechanism for getting keys to use for this mechanism and the confidentiality mechanism. That mechanism would need to eventually be able to support a full EAP exchange, although it might not be required to actually specify EAP support initially.

If we are going to publish this specification and we are not actually going to complete the security solution, we need a very strong applicability statement/IESG note warning.

I also have some comments about the document.

1) The document still feels a lot more like a standards-track document than an informational document. Thomas noticed some problems in this regard with the IANA considerations. I noticed the following:

>It does not imply that the availability of  
> such a solution deprecates the use of IPsec for securing Mobile IPv6  
> signaling between Mobile Nodes and Home Agents. Home agents still  
> have to implement and support registrations from Mobile Nodes that  
> are secured via IPsec as well as with the authentication option.

I propose the following instead:

This document does not change the security requirements for Mobile IPV6: mobile nodes and home agents must still implement IPsec for security. Instead this document provides an additional

option for some deployment situations.

- 2) The document claims that no confidentiality protection for return routability/prefix discovery is provided. It should forbid use of options such as route optimization whose secure operation depends on these features.
- 3) The terms "security association" and "SPI" are used inconsistently with their IPsec meanings. They have very specific meanings in that context and the re-use of these terms creates unacceptable confusion in the mind of security reviewers. Find terms specific to this approach and use them.
- 4) The description of the AAA authentication option is broken. The security considerations text implies that there is a session key that somehow falls out of the option to be used by the other authentication option. The actual description of the option does not ever produce a session key. Also, the interaction between the AAA option and the normal authentication option is not well specified. It seems you can use both at once; why would you do this?
- 5) Overloading the SPI to choose the hash function to use in the AAA option is not acceptable. Just add an algorithm identifier to that option.
- 6) Decide what identification behavior is mandatory to implement? Is it identification by IP address or by the identification option? If it is the identification option, which sub option is mandatory to implement?

Thomas Narten:

Discuss:

Substantive:

- > This document introduces new mobility options to aid in
- > authentication of the Mobile Node to the Home Agent or AAAH server.
- > The confidentiality protection of Return Routability messages and
- > authentication/integrity protection of Mobile Prefix Discovery (MPD)
- > is outside the scope of this document.

what is required to get RR to work in this scenario?

Even if out of scope, this document should make it clear whether there are fundamental issues or whether the details simply aren't included because 3GPP2 has no plans for using R0.

- > New values for this namespace can be allocated using Standards Action
- > [RFC2434].

seems overly restrictive. Especially since this document is informational and creates one for 3GPP2. Isn't IETF RFC good enough?

## > 7. Security Considerations

- >
- > This document proposes new authentication options to authenticate the
- > control message between Mobile Node, Home Agent and/or home AAA (as
- > an alternative to IPsec). The new options provide for authentication
- > of Binding Update and Binding Acknowledgement messages. The MN-AAA
- > authentication options provides for authentication with AAA
- > infrastructure. It can be used to generate a per session key between
- > Mobile Node and Home Agent for subsequent authentication of BU/BA
- > between Mobile Node and Home Agent via the MN-HA authentication
- > option.

I find it odd that this document doesn't anywhere say how one generates a session key, if that is indeed what this document is used for...

Comment:

- > responsible for performing Registration of a Mobile Node at a home
- s/Registration/registration/? (Why capitalized?)
- > and Accounting (AAA) server in Home network (AAAH) based on a shared
  - > key based security association between the Mobile Node and the
  - > respective authenticating entity. This shared key based security
  - > association (shared-key based SA) may be statically provisioned or
- hyphens in "shared-key-based security"?

- > Mobile Node MAY use Mobile Node Identifier Option as defined in  
s/Mobile/A Mobile/ (or The...)
- > [MN\_Ident] or Home Address to identify itself while authenticating  
s/Home/the Home/
- > When a Binding Update or Binding Acknowledgement is received  
without
- > an authentication option and the entity receiving it is configured  
to
- > use authentication option or has the shared-key based security
- > association for authentication option, the entity should silently
- > discard the received message.

the above is worded weakly. I would assume that the HA needs to be configured to require authentication, either IPsec or this method. Above can almost be read to imply that a HA might not use either.

- > SPI:
- >
- > Security Parameter Index
- >

This document doesn't seem to define SPI precisely. It would be good to provide a reference to the proper MIP document that describes them (i.e., what their properties are, who assigns them, etc.)

- > Alignment requirements :
- >
- > The alignment requirement for this option is  $4n + 1$ .

provide a reference to the RFC that defines the alignment requirements?

- > Home Agent used within this specification consists of a SPI, a key,  
s/a SPI/an SPI/

- > 16 octets in length. The authentication algorithm is HMAC\_SHA1.  
The

Reference for HMAC\_SHA1?

- > the mobility header upto and including the SPI value of this

option.

s/up to/ up to/ (multiple occurrences)

> The Mobility message replay protection option MAY be used in Binding

why not a should?

> If the timestamp is valid, the Home Agent copies the entire Timestamp  
> field into the Timestamp field in the BA it returns to the Mobile  
> Node. If the timestamp is not valid, the Home Agent copies only the  
> low-order 32 bits into the BA, and supplies the high-order 32 bits  
> from its own time of day.

This last part seems odd.

> code MIPV6-ID-MISMATCH. The Home Agent does not create a binding

seems like you could find a better, more intuitive name. e.g., something like MIPV6-TS-INVALID (for timestamp).

> infrastructure. It can be used to generate a per session key between

s/per session/per-session/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mip6 mailing list <mip6@ietf.org>,

mip6 chair <basavaraj.patil@nokia.com>,

mip6 chair <gdommety@cisco.com>

Subject: Document Action: 'Authentication Protocol for Mobile IPv6' to Informational RFC

The IESG has approved the following document:

- 'Authentication Protocol for Mobile IPv6 '  
<draft-ietf-mip6-auth-protocol-04.txt> as an Informational RFC

This document is the product of the Mobility for IPv6 Working Group.

The IESG contact persons are Thomas Narten and Margaret Wasserman.

#### Technical Summary

IPsec is specified as the sole means of securing all signaling messages between the Mobile Node and Home agent for Mobile IPv6 (see RFC 3775). Some deployments, and 3GPP2 in particular, desire a different model for securing signalling between the Mobile Node and Home Agent, one that more closely fits their existing Mobile IPv4 deployments. This document proposes an alternate method for securing the signaling messages, one based on defining a MIPv6-specific authentication extension.

#### Working Group Summary

This document certainly generated controversy within the WG. There were some who argued that this approach was not appropriate and that we should just stick with "use the IPsec-based approach as defined in RFC 3775". Others argued that we should listen to an important "customer" and that it was appropriate to put this document forward on standards track, since there were likely to be many implementations. In the end, most people recognized the need to be pragmatic in dealing with the input from 3GPP2, given that 3GPP2-based mobile IPv4 is the largest current deployment of MIPv4. In the end, the WG supported moving this work forward, but as an informational document rather than on the Standards Track.

#### Protocol Quality

This document has been reviewed for the IESG by Thomas Narten.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3.1.2 Returning Item

NONE

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item - 1 of 3

- o draft-hoffman-wais-uri-03.txt

The wais URI Scheme (Historic)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-hoffman-wais-uri-03.txt to Historic

-----

Evaluation for draft-hoffman-wais-uri-03.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12240&rfc_flag=0)

[command=view\\_id&dTag=12240&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12240&rfc_flag=0)

Last Call to expire on: 2005-02-08

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Harald Alvestrand | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck  | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| David Kessens      | [ ] | [ ] | [ ] | [ ] |
| Allison Mankin     | [ ] | [ ] | [ ] | [ ] |
| Thomas Narten      | [ ] | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment:

In some places this document uses 'WAIS URL' and in other places it uses 'wais URL.' Please pick one and use it everywhere.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The wais URI Scheme' to Historic

The IESG has approved the following document:

- 'The wais URI Scheme '  
<draft-hoffman-wais-uri-03.txt> as a Historic

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

The wais URI scheme was originally defined in RFC 1738. This draft is part of a

larger effort to provide scheme definitions for those schemes originally

defined in RFC 1738,  
so that RFC 1738 may be marked obsolete. This scheme is being marked  
historic  
at the same time, based on its limited use in the Internet.

#### Working Group Summary

This document was reviewed by the URI mailing list and it and the  
general  
effort have reasonable community support.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a  
reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 2 of 3

- o draft-hoffman-prospero-uri-03.txt  
The prospero URI Scheme (Historic)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-hoffman-prospero-uri-03.txt to Historic  
-----

Evaluation for draft-hoffman-prospero-uri-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12232&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12232&rfc_flag=0)

Last Call to expire on: 2005-02-08

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
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| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment:

In the abstract: s/prospero1/prospero/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Protocol Action: 'The prospero URI Scheme' to Historic

The IESG has approved the following document:

- 'The prospero URI Scheme '  
<draft-hoffman-prospero-uri-03.txt> as a Historic

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

The prospero URI scheme was originally defined in RFC 1738. This draft is part of a larger effort to provide scheme definitions for those schemes originally defined in RFC 1738, so that RFC 1738 may be marked obsolete. This scheme is being marked historic at the same time, based on its limited use in the Internet.

#### Working Group Summary

The draft was discussed on the uri mailing list, and both this draft and the general effort have reasonable community support.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 3 of 3

o draft-tesink-urn-clei-00.txt

A Uniform Resource Name (URN) Namespace for the CLEI Code  
(Informational)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-tesink-urn-clei-00.txt to Informational RFC

-----

Evaluation for draft-tesink-urn-clei-00.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12669&rfc_flag=0)

[command=view\\_id&dTag=12669&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12669&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |

|             |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|
| Bert Wijnen | [ | ] | [ | ] | [ | ] | [ | ] |
| Alex Zinin  | [ | ] | [ | ] | [ | ] | [ | ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Comment:

The IANA Considerations section should probably point to the template in section 2.

Russ Housley:

Comment:

The document contains non-ASCII characters.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'A Uniform Resource Name (URN) Namespace for the CLEI Code' to Informational RFC

The IESG has approved the following document:

- 'A Uniform Resource Name (URN) Namespace for the CLEI Code ' <draft-tesink-urn-clei-00.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

This document describes a Uniform Resource Name (URN) namespace managed by Telcordia Technologies, Inc., as the

maintenance agent for ANSI T1.213 [T1.213], for the assignment of the CLEI Code, for usage within messages standardized by ANSI. The CLEI code is a globally unique, ten-character alphanumeric intelligent code assigned by Telcordia Technologies at the request of equipment suppliers. The CLEI code identifies communications equipment by specifying product type and features. There is a one-to-one relationship between a CLEI Code and supplier's Product ID

#### Working Group Summary

This document is the product of an individual submitter, but was reviewed on urn-nid list; no problems with the registration were identified during review.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

#### 3.2.2 Returning Item

NONE

#### 3. Document Actions

##### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups

or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

### 3.3.1 New Item - 1 of 1

o draft-warnicke-network-dns-resolution-05.txt

A Suggested Scheme for DNS Resolution of Networks and Gateways  
(Informational)

Note: 2005-02-23: I've reviewed this and do not believe it conflicts with.

any IETF work. I think is fine to be published as an Independent<br>Submission.

Token: David Kessens

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-warnicke-network-dns-resolution-05.txt to  
Informational RFC

-----

Evaluation for draft-warnicke-network-dns-resolution-05.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9969&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9969&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ X ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: RFC Editor <rfc-editor@rfc-editor.org>

Cc: The IESG <iesg@ietf.org>

Subject: Re: Informational RFC to be:

draft-warnicke-network-dns-resolution-02.txt

The IESG has no problem with the publication of 'A Suggested Scheme for  
DNS

Resolution of Networks and Gateways'

<draft-warnicke-network-dns-resolution-02.txt> as an Informational RFC.

The IESG contact person.

Thank you,

The IESG Secretary

RFC Editor note:

Please place the following IESG note either in or immediately  
following the "Status of this Memo" section:

This RFC is not a candidate for any level of Internet Standard.  
The IETF disclaims any knowledge of the fitness of this RFC for  
any purpose and notes that the decision to publish is not based on  
IETF review apart from IESG review for conflict with IETF work.  
The RFC Editor has chosen to publish this document at its  
discretion. See RFC 3932 for more information.

### 3. Document Actions

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.2 Returning Item - 1 of 2

o draft-carroll-dynmobileip-cdma-04.txt

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R)

Networks

(Informational)

Note: 2005-02-08: IESG: this document violates a MUST NOT in radius, one

that is not insignificant. I.e., it relates to security aspects/assumptions

underlying radius. So, it 'extends and embraces' an IETF protocol in a

way that warrants IETF review/acceptance.

Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-carroll-dynmobileip-cdma-04.txt to Informational RFC

-----

Evaluation for draft-carroll-dynmobileip-cdma-04.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=10350&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=10350&rft_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                   | Yes | No-Objection | Discuss | Abstain |
|-------------------|-----|--------------|---------|---------|
| Harald Alvestrand | [ ] | [ X ]        | [ ]     | [ ]     |
| Bill Fenner       | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck  | [ ] | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ] | [ X ]        | [ . ]   | [ ]     |
| David Kessens     | [ ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin    | [ ] | [ ]          | [ ]     | [ ]     |
| Thomas Narten     | [ ] | [ ]          | [ X ]   | [ ]     |

|                    |     |       |       |     |
|--------------------|-----|-------|-------|-----|
| Jon Peterson       | [ ] | [ ]   | [ ]   | [ ] |
| Margaret Wasserman | [ ] | [ X ] | [ ]   | [ ] |
| Bert Wijnen        | [ ] | [ X ] | [ . ] | [ ] |
| Alex Zinin         | [ ] | [ ]   | [ ]   | [ ] |

|                |     |     |       |     |
|----------------|-----|-----|-------|-----|
| Steve Bellovin | [ ] | [ ] | [ X ] | [ ] |
|----------------|-----|-----|-------|-----|

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Harald Alvestrand:

Comment:

Reviewed by Suzanne Woolf, Gen-ART

She points out what seems like significant weaknesses in the protocol - so much so that this would have no future as an IETF standard, if they are correctly identified.

Should there be an IESG note that says "pestilence here", or some such?

Like, for instance:

This document describes an existing deployed technology that was developed outside the IETF. It uses RADIUS in a way incompatible with the RADIUS protocol, and practices the sharing of secret keys in public-key cryptosystems, which is not a practice the IETF recommends. Do not take this document as an example of good protocol design.

Russ Housley:

Comment:

Section 4.6 states the need for integrity of the RSA public key when it is distributed to MN manufacturers. The reason given is weak. The document says that an invalid public key is programmed into a terminal, then the terminal may be denied service. This is true, but a bigger concern would be the substitution of one public key

with another one, where the corresponding private key is controlled by an attacker.

PKCS #1 Version 1.5 (as identified by [9]) is used in this protocol. PKCS #1 Version 1.5 key transport is vulnerable to adaptive chosen ciphertext attacks, especially when it is used to for key management in interactive applications like this one. This attack is often referred to as the "Million Message Attack," and it explained in [CRYPTO98] and [RSALABS]. Exploitation of this vulnerability, which reveals the result of a particular RSA decryption, requires access to an oracle which will respond to hundreds of thousands of ciphertexts, which are constructed adaptively in response to previously received replies that provide information on the successes or failures of attempted decryption operations. The AAA server is such an oracle. The security considerations need to explain how to avoid this attack. TLS includes protection against this attack by exhibiting the same behavior in the face of decrypt errors.

[CRYPTO98] Bleichenbacher, D. "Chosen Ciphertext Attacks Against Protocols Based on the RSA Encryption Standard PKCS #1," in H. Krawczyk (editor), *Advances in Cryptology - CRYPTO '98 Proceedings, Lecture Notes in Computer Science 1462* (1998), Springer-Verlag, pp. 1-12.

[RSALABS] Bleichenbacher, D., B. Kaliski, and J. Staddon. Recent Results on PKCS #1: RSA Encryption Standard. RSA Laboratories' Bulletin No. 7, June 26, 1998. [<http://www.rsasecurity.com/rsalabs/bulletins>]

Thomas Narten:

Discuss:

Placeholder. This document violates a MUST NOT of radius, one that has security implications. Need guidance from AAA on how to proceed.

Bert Wijnen:

Comment:

Passing my DISCUSS to Thomas, since I will be off-line for (quite) a while

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>  
To: RFC Editor <rfc-editor@rfc-editor.org>  
Cc: The IESG <iesg@ietf.org>, <iana@iana.org>  
Subject: Re: Informational RFC to be:  
draft-carroll-dynmobileip-cdma-01.txt

The IESG has no problem with the publication of 'Dynamic Mobile IP Key Updat

for cdma2000(R) Networks' <draft-carroll-dynmobileip-cdma-01.txt> as an Informational RFC.

The IESG contact person is Thomas Narten.

Thank you,

The IESG Secretary

### 3. Document Actions

#### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

##### 3.3.2 Returning Item - 2 of 2

###### o draft-klensin-idn-tld-04.txt

National and Local Characters for DNS Top Level Domain (TLD) Names (Informational)

Note: 2005-02-10: I've reviewed this and do not believe it conflicts with.

any IETF work. I think is fine to be published as an Independent<br>Submission  
Token: Thomas Narten

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-klensin-idn-tld-04.txt to Informational RFC  
-----

Evaluation for draft-klensin-idn-tld-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=9452&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=9452&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Harald Alvestrand  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ X ]   | [ ]     |
| Sam Hartman        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ R ]   |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Thomas Narten      | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Discuss:

Fundamentally, I think this is well written, but could be badly read. Knowing John's history with this topic, I believe I understand the impetus for putting forward a fourth choice in this critical architectural discussion, and I appreciate the time and effort he has put into this. Knowing as well his role in the IAB during the time in which RFC 2826 was produced, I am certain his depth of understanding of many of these issues exceeds my own.

But I am concerned about what will happen when this is read by someone who is not aware of this history and has no insight into the issues which

John knows so well. (And I will happily admit that my own ignorance may be driving my empathy for this position). If read by someone without a deep understanding of the need for a single DNS root and an un-

partitioned URI space, will this give rise to mischief? I believe it could. It is moderately

obvious that someone using local translation could translate .Ñπ° ÖfÔ (4e2d, 570b)

to .tw where the dominant view would translate it to .cn . A local translation doing that has the same partitioning effect in URI space as multiple roots do in the DNS: it creates a situation in which local resolution context over-rides the overall system's ability to ensure a consistent view of the namespace.

I recommend that we ask the RFC Editor not to publish this document until it contains a discussion of this problem (hopefully using a less hot-button example than my haste forced me to use)

Scott Hollenbeck:

Comment:

I'm recusing since I know that my employer has an interest in this topic.

Russ Housley:

Discuss:

I have a concern with this document, and I do not believe that it ought to be published until this concern is addressed.

Comparison is not discussed. In my view, comparison must be performed on the ASCII representation of a domain name. If a local character set is used for comparison, then differences in translation tables could lead to undeterministic results. False positive and false negative comparisons might result. This is especially bad if domain names of this form are part of an access control list.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: RFC Editor <rfc-editor@rfc-editor.org>  
Cc: The IESG <iesg@ietf.org>, <iana@iana.org>  
Subject: Re: Informational RFC to be: draft-klensin-idn-tld-04.txt

The IESG has no problem with the publication of 'National and Local Characters for DNS Top Level Domain (TLD) Names' <draft-klensin-idn-tld-04.txt> as an Informational RFC.

The IESG would also like the RFC-Editor to review the comments in the datatracker  
([https://datatracker.ietf.org/public/pidtracker.cgi?command=view\\_id&dTag=9452&rfc\\_flag=0](https://datatracker.ietf.org/public/pidtracker.cgi?command=view_id&dTag=9452&rfc_flag=0))  
related to this document and determine whether or not they merit incorporation into the document. Comments may exist in both the ballot and the comment log.

The IESG contact person is Thomas Narten.

Thank you,

The IESG Secretary

RFC Editor Note:

This RFC is not a candidate for any level of Internet Standard. The IETF disclaims any knowledge of the fitness of this RFC for any purpose and notes that the decision to publish is not based on IETF review apart from IESG review for conflict with IETF work. The RFC Editor has chosen to publish this document at its discretion. See RFC 3932 for more information.

#### 4. Working Group Actions

## 4.1 WG Creation

### 4.1.1 Proposed for IETF Review

o Better-Than-Nothing Security (btns) - 1 of 1

Token: Sam Hartman

## Better-Than-Nothing Security (btns)

=====

Last Modified: 2005-2-24

Current Status: Proposed Working Group

Mailing List info:

<http://www.postel.org/anonsec>

### DESCRIPTION:

Current Internet Protocol security protocol (IPsec) and Internet Key Exchange protocol (IKE) present somewhat of an all-or-nothing alternative; these protocols provide protection from a wide array of possible threats, but are sometimes not deployed because of the need for pre-existing credentials. There is significant interest in providing anonymous keying for IPsec

between two parties who do not have credentials suitable for the current profile of IKE. This mode would protect against passive attacks but would be vulnerable to active attacks.

The primary purpose of this working group is to specify extensions to or profiles of IKE to enable this mode of IPsec.

The goal of this relaxed variant of IPsec is to enable and encourage the use of network

security where it has been difficult to deploy - notably, to enable simpler, more rapid deployment.

Two related problems emerged during the discussion of this problem.

First, there is a desire in the KITTEN, RDDP, NFSv4 and potentially otherc

working groups to perform anonymous authentication at the IPsec layer and later cryptographically bind the IPsec association to application authentication. The specification of how this binding is performed for IPsec and the specification of how the binding interact with application authentication protocols are out of scope for this working group. However, the interactions between this cryptographic channel binding and the IPsec PAD will be similar to those for the anonymous mode with no binding. This working group needs to consider the channel bindings use case when developing extensions to the PAD and SPD.

Secondly, BTNS and the channel bindings work both encourage IPsec to be used to secure higher layer protocols. AS such we need to consider what information these higher layer protocols need from IPsec.

Two proposals are under discussion for providing anonymous keing for IPsec: bare RSA keys transported by IKE and self-signed certificates transported by IKE.

The WG has the following specific goals over three IETF meetings:

- a) develop a framework document to describe the motivation and goals of these infrastructure-free variants of security protocols in general, and IPsec and IKE in specific
- b) develop an applicability statement, characterizing a reasonable set of threat models with relaxed assumptions suitable for infrastructure-free use, and describing the limits and conditions of appropriate use of infrastructure-free variants
- c) develop standards-track IKE extensions and/or profiles that support one or both of the bare RSA keys or self-signed certificates
- d) Specify standards-track extensions to the SPD and PAD to support anonymous keying for IPsec and cryptographic channel bindings for IPsec
- e) Develop an informational document giving advice to IPsec implementers and higher-level protocol designers on the use of IPsec in securing higher-level protocols

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Language Tag Registry Update (ltru) - 1 of 3  
Token: Ted Hardie

#### Language Tag Registry Update (LTRU)

=====

Last Modified: 2005-02-24

Current Status: Proposed Working Group

Chair(s): Randy\_Presuhn@mindspring.com

Applications Area Director(s):

Ted Hardie <hardie@qualcomm.com>

Scott Hollenbeck <sah@428cobrajet.net>

Applications Area Advisor:

Ted Hardie <hardie@qualcomm.com>

Mailing Lists:

General Discussion: [ltr@ietf.org](mailto:ltr@ietf.org)

To Subscribe: <https://www1.ietf.org/mailman/listinfo/ltru>

Archive: <http://www.ietf.org/mail-archive/web/ltru/index.html>

Description of Working Group:

RFC 3066 and its predecessor, RFC 1766, defined language tags for use on the Internet. Language tags are necessary for many applications, ranging from cataloging content to computer processing of text. The RFC 3066 standard for language tags has been widely adopted in various protocols and text formats, including HTML, XML, and CLDR, as the best means of identifying languages and language preferences. Since the publication of RFC 3066, however, several issues have faced implementors of language tags:

- \* Stability and accessibility of the underlying ISO standards
- \* Difficulty with registrations and their acceptance
- \* Lack of clear guidance on how to identify script and region where necessary
- \* Lack of parseability and the ability to verify well-formedness.
- \* Lack of specified algorithms, apart from pure prefix matching, for operations on language tags.

This working group will address these issues by developing two documents. The first is a successor to RFC 3066. It will describe the structure of the IANA registry and how the registered tags will relate to the generative mechanisms (originally described in RFC 3066, but likely to be updated by the document). In order to be complete, it will need to address each of the challenges set out above:

- For stability, it is expected that the document will describe how the meaning of language tags remains stable, even if underlying references should change, and how the structure is to remain stable in

the future. For accessibility, it is to provide a mechanism for easily determining whether a particular subtag is valid as of a given date, without onerous reconstruction of the state of the underlying standard as of that time.

- For extensibility, it is expected that the document will describe how generative mechanisms could use ISO 15924 and UN M.49 codes without explicit registration of all combinations. The current registry contains pairs like uz-Cyrl/uz-Latn and sr-Cyrl/sr-Latn, but RFC 3066 contains no general mechanism or guidance for how scripts should be incorporated into language tags; this replacement document is expected to provide such a mechanism.

- It is also expected to provide mechanisms to support the evolution of the underlying ISO standards, in particular ISO 639-3, mechanisms to support variant registration and formal extensions, as well as allowing generative private use when necessary.

- It is expected to specify a mechanism for easily identifying the role of each subtag in the language tag, so that, for example, whenever a script code or country code is present in the tag it can be extracted, even without access to a current version of the registry. Such a mechanism would clearly distinguish between well-formed and valid language tags, to allow for maximal compatibility between implementations released at different times, and thus using different versions of the registry.

The second document will describe matching algorithms for use with language tags. Language tags are used in a broad variety of contexts and it is not expected that any single matching algorithm will fit all needs. Developing a small set of common matching and sorting algorithms does seem likely to contribute to interoperability, however, as it seems likely that using protocols could reference these well-known algorithms in their specifications.

This working group will not take over the existing review function of the ietf-languages list. The ietf-languages list will continue to review tags according to RFC 3066 until the first document produced by the WG is finished. Then it will review according to whatever procedures the first document specifies.

## Goals and Milestones

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| Submit first working group draft of registry-structure draft<br>05 | Mar |
| Submit first draft of matching algorithms draft<br>05              | Apr |
| Submit registry structure draft for IETF Last Call<br>05           | May |
| Submit matching algorithms draft for IETF Last Call<br>05          | Aug |

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.2 Proposed for Approval

- o Transparent Interconnection of Lots of Links (trill) - 2 of 3  
Token: Margaret Wasserman

## Transparent Interconnection of Lots of Links (trill)

---

Last Modified: 2005-2-10

Current Status: Proposed Working Group

### Chair(s):

Erik Nordmark <erik.nordmark@sun.com>  
<TBD>

### Internet Area Directors:

Thomas Narten <narten@us.ibm.com>  
Margaret Wasserman <margaret@thngmagic.com>

### Internet Area Advisor:

Margaret Wasserman <margaret@thingmagic.com>

### Description of Working Group:

While IEEE 802 bridges are attractive due to not needing explicit configuration and allowing hosts to move within the bridged topology,

they are more limited than IP routers since bridges only support IEEE 802 technologies, and the most common layer 2 interconnection method (dynamically created spanning tree formation using bridges) is not as flexible and robust as layer 3 routing.

The WG will design a hybrid solution that combines the simplicity of configuration while taking full advantage of complex topologies.

The design should have the following properties:

- zero configuration of the hybrid devices
- ability for hosts to move without changing their IP address
- it should be possible to forward packets using pair-wise shortest paths, and exploit the redundant paths through the network for increased aggregate bandwidth
- possible optimizations for ARP and Neighbor Discovery packets (potentially avoid flooding all the time)
- support Secure Neighbor Discovery
- the packet header should have a hop count for robustness in the presence of temporary routing loops
- nodes should be able to have multiple attachments to the network
- no delay when a new node is attached to the network
- multicast should work (and after a re-charter it might make sense to look at optimizations for IP multicast)
- be no less secure than existing bridges (and explore whether the protocol can make "L2 address theft" harder or easier to detect)

A required piece of the solution is an IP routing protocol which is extended to carry L2 address reachability, handle broadcast, and is friendly to zero-configuration. Likely candidate are the link-state routing protocols since they can easily be extended to provide for broadcast, which is believed to be difficult for distance vector protocols. This working group will define the requirements on such routing protocol(s), and select the routing protocol(s) to be used. The intent is that the actual extensions to the routing protocol(s) be performed in the WGs with expertise in the routing protocol(s).

The working group will look into solutions that can interconnect different layer 2 technologies, and also look at providing support for non-IP protocols, even though one can not combine those two features together; the interconnection of different layer 2 technologies (with different layer 2 address formats) will most likely only work for the IP family of protocols. Whether the same or different address formats are used, there might be a need to handle different MTUs.

The WG will design a protocol that combines the benefits of bridges and routers in a way that will co-exist with existing hosts, IP routers and bridges. The design must support both IPv4 and IPv6

The working group will not work any layer 3 aspects except to provide

- Possible optimizations for ARP and ND packets (not always flooded everywhere)
- Being able to carry IP broadcast and multicast packets (which might just fall out from supporting L2 multicast)
- Defining the L3 operations needed to interconnect different L2 technologies

The work consists of several, separable pieces:

- Defining the requirement on the routing protocol(s), and select one or more routing protocols. The detailed specification of the extensions to a particular routing protocol will be left as an action item for the specific routing protocol WG.
- Defining what information must be carried in an encapsulation header for data packets, and how to map that information to various link types (e.g., IEEE LAN, Fibrechannel, MPLS)
- Defining how address resolution (ARP and Neighbor Discovery) is performed, taking into account the desire to be compatible with Secure Neighbor Discovery. - Defining how the solution extends to the case when multiple layer 2 technologies, that have different address format/length, are interconnected.

The TRILL WG will coordinate with the L2VPN WG, as appropriate, to make sure that issues common to both groups (such as ND and ARP forwarding) are solved in a coordinated way.

Deliverables

- A short draft on the problem statement and goals
- A document defining what information needs to be carried in routing protocols to support the rbridge concept, and other requirements on the routing protocols.
- Encapsulation draft specifying what needs to be carried in general and the specific format to use on IEEE LANs
- ARP and ND draft
- Draft on interconnecting different types of layer 2 technologies
- Threat analysis document

#### Goals and Milestones

Jun 05 Problem statement and Goals submitted to IESG for Informational  
 Sep 05 Routing protocol support requirements to IESG for Informational  
 Dec 05 Encapsulation document to IESG for Proposed Standard  
 Sep 05 ARP & ND to IESG for Proposed Standard  
 Mar 06 Interconnecting Layer 2 Technologies document to IESG for Proposed Standard  
 Dec 05 Threat analysis to IESG for Informational  
 Mar 06 Interconnecting Layer 2 Technologies document to IESG for Proposed Standard

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o IPv6 over Low power WPAN (6lowpan) - 3 of 3  
Token: Thomas Narten

IPv6 over IEEE 802.15.4 (6lowpan)

=====

Last Modified: 2005-3-2

Current Status: Proposed Working Group

Chair(s):

Geoff Mulligan <geoff@mulligan.com>

Internet Area Director(s):

Thomas Narten <narten@us.ibm.com>

Margaret Wasserman <margaret@thingmagic.com>

Internet Area Advisor:

Margaret Wasserman <margaret@thingmagic.com>

Mailing Lists:

General Discussion: 6lowpan@lists.ietf.org

To Subscribe: 6lowpan-request@lists.ietf.org

In Body: subscribe

List Info: <https://www1.ietf.org/mailman/listinfo/6lowpan>

Description of Working Group:

Background/Introduction:

Note: Given that there is not much precedent for this type of activity at the IETF, the text that follows is of an introductory nature. Hence, its objective is to give a general idea of the application area and motivations for the work. In particular, this section is not to be construed as detailing work items for the working group. That is done in the following section entitled "Scope of the Working Group."

Well-established fields such as control networks, and burgeoning ones such as "sensor" (or transducer) networks, are increasingly being based on wireless technologies. Most (but certainly not all) of these nodes are amongst the most constrained that have ever been networked wirelessly. Extreme low power (such that they will run potentially for years on batteries) and extreme low cost (total device cost in single digit dollars, and riding Moore's law to continuously reduce that price point) are seen as essential enablers towards their deployment in networks with the following characteristics:

- \* Significantly more devices than current networks
- \* Severely limited code and ram space (e.g., highly desirable to fit the required code--MAC, IP and anything else needed to execute the embedded application-- in, for example, 32K of flash memory, using 8-bit microprocessors)
- \* Unobtrusive but very different user interface for configuration (e.g., using gestures or interactions involving the physical world)

- \* Robustness and simplicity in routing or network fabric

A chief component of these devices is wireless communication technology. In particular, the IEEE 802.15.4 standard is very promising for the lower (physical and link) layers. As for higher layer functions, there is considerable interest from non-IETF groups in using IP technology (the ZigBee alliance, for example, is currently studying what such a work item might entail). The working group is expected to coordinate and interact with such groups.

The required work includes items in the following (incomplete) list:

- \* IP adaptation/Packet Formats and interoperability
- \* Addressing schemes and address management
- \* Network management
- \* Routing in dynamically adaptive topologies
- \* Security, including set-up and maintenance
- \* Application programming interface
- \* Discovery (of devices, of services, etc)
- \* Implementation considerations

Whereas at least some of the above items are within the purview of the IETF, at this point it is not clear that all of them are. Accordingly, the 6LoWPAN working group will address a reduced, more focused set of objectives.

Scope of 6lowpan:

Produce "Problems Statement, Assumptions and Goals for IPv6 for LoWPANs" (draft-ietf-lowpan-goals-assumptions-xx.txt) to define the problem statement and goals of 6lowpan networks.

Produce "Transmission of IPv6 Packets over IEEE 802.15.4 WPAN Networks" (draft-ietf-lowpan-ipv6-over-802.15.4-xx.txt) to define the basic packet formats and sub-IP adaptation layer for transmission of IPv6 packets over IEEE 802.15.4. This includes framing, adaptation, header compression and address generation. Furthermore, IEEE 802.15.4 devices are expected to be deployed in mesh topologies.

As such, the working group may also work on an informational document to show how to apply an existing MANET protocol to LoWPANs (e.g., AODV, OLSR, DYM0, etc).

The working group will reuse existing specifications whenever

reasonable and possible.

The working group will also serve as a venue for ongoing discussions on other topics related to the more complete list outlined above. Additional related milestones may be added in the future via a rechartering operation.

Note: As may be obvious from its official name above, this particular working group will not work on IPv4 over IEEE 802.15.4 specifications. Given the limitations of the target devices, dual-stack deployments are not practical. Because of its higher potential for header compression, its support for the huge number of devices expected and of cleanly built-in features such as address autoconfiguration, IPv6 is the exclusive focus of the working group.

#### Goals and Milestones:

MAR 2005 Working group last call on draft-ietf-lowpan-goals-assumptions-xx.txt

APR 2005 Submit draft-ietf-lowpan-goals-assumptions-xx.txt to IESG for consideration of publication as Informational

MAY 2005 Working Group Last Call on draft-ietf-lowpan-ipv6-over-802.15.4-xx.txt

JUL 2005 Submit draft-ietf-lowpan-ipv6-over-802.15.4-xx.txt to IESG for consideration of publication as Proposed Standard

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.2 Proposed for Approval

NONE

#### 5. Working Group News We Can Use

Harald Alvestrand

Bill Fenner

Ted Hardie

Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Thomas Narten  
Jon Peterson  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

## 6. IAB News We Can Use

## 7. Management Issues

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id OAA28761  
for <iesg-archive@lists.ietf.org>; Fri, 15 Apr 2005 14:23:25 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1DMVEH-0002RE-5l; Fri, 15 Apr 2005 14:07:45 -0400

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1DMVEG-0002R5-Cd  
for iesg@megatron.ietf.org; Fri, 15 Apr 2005 14:07:44 -0400

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id OAA27619  
for <iesg@ietf.org>; Fri, 15 Apr 2005 14:07:43 -0400 (EDT)

Received: from [132.151.6.50] (helo=newodin.ietf.org)  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1DMVOV-0003yn-NT  
for iesg@ietf.org; Fri, 15 Apr 2005 14:18:19 -0400

Received: from apache by newodin.ietf.org with local (Exim 4.43)  
id 1DMVEF-0002bF-R0  
for iesg@ietf.org; Fri, 15 Apr 2005 14:07:43 -0400

X-test-idtracker: no

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Message-Id: <E1DMVEF-0002bF-R0@newodin.ietf.org>

Date: Fri, 15 Apr 2005 14:07:43 -0400

X-Spam-Score: 0.0 (/)

X-Scan-Signature: 10ba05e7e8a9aa6adb025f426bef3a30

Subject: Evaluation: draft-hoffman-telnet-uri-04.txt to Proposed Standard

X-BeenThere: iesg@ietf.org

X-Mailman-Version: 2.1.5

Precedence: list

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

List-Id: iesg.ietf.org

List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>

List-Post: <<mailto:iesg@ietf.org>>

List-Help: <<mailto:iesg-request@ietf.org?subject=help>>

List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>

Sender: iesg-bounces@ietf.org

Errors-To: iesg-bounces@ietf.org

-----

Evaluation for draft-hoffman-telnet-uri-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12233&rfc_flag=0)  
[command=view\\_id&dTag=12233&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12233&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The telnet URI Scheme' to Proposed Standard

The IESG has approved the following document:

- 'The telnet URI Scheme '  
    <draft-hoffman-telnet-uri-04.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document specifies the telnet Uniform Resource Identifier (URI) scheme that was originally specified in RFC 1738. The purpose of this document is to allow RFC 1738 to be made obsolete while keeping the information about the scheme on the standards track and appropriately referenced within the IANA registry.

#### Working Group Summary

This document is the product of an individual submitter, but the strategy of splitting RFC 1738's registrations was discussed by the URI mailing list.

The document did receive comments during the IETF last call and an RFC Editor's note has been added in response to one issue raised.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

Please add a normative reference to:

[STD0008] Postel, J., and Reynolds, J., "Telnet Protocol

Specification",  
STD 0008, May 1983.

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id OAA29963  
for <iesg-archive@lists.ietf.org>; Fri, 15 Apr 2005 14:36:51 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1DMVGc-0002i4-P5; Fri, 15 Apr 2005 14:10:10 -0400

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1DMVGa-0002ho-V2  
for iesg@megatron.ietf.org; Fri, 15 Apr 2005 14:10:09 -0400

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id OAA27735  
for <iesg@ietf.org>; Fri, 15 Apr 2005 14:10:07 -0400 (EDT)

Received: from [132.151.6.50] (helo=newodin.ietf.org)  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1DMVQq-0004CU-95  
for iesg@ietf.org; Fri, 15 Apr 2005 14:20:44 -0400

Received: from apache by newodin.ietf.org with local (Exim 4.43)  
id 1DMVGa-0002TW-CK  
for iesg@ietf.org; Fri, 15 Apr 2005 14:10:08 -0400

X-test-idtracker: no

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Message-Id: <E1DMVGa-0002TW-CK@newodin.ietf.org>

Date: Fri, 15 Apr 2005 14:10:08 -0400

X-Spam-Score: 0.0 (/)

X-Scan-Signature: f66b12316365a3fe519e75911daf28a8  
Subject: Evaluation: draft-hoffman-telnet-uri-04.txt to Proposed  
Standard  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

-----

Evaluation for draft-hoffman-telnet-uri-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12233&rfc_flag=0)  
[command=view\\_id&dTag=12233&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12233&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The telnet URI Scheme' to Proposed Standard

The IESG has approved the following document:

- 'The telnet URI Scheme '  
<draft-hoffman-telnet-uri-04.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

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#### Working Group Summary

This document is the product of an individual submitter, but the strategy of splitting RFC 1738's registrations was discussed by the URI mailing list. The document did receive comments during the IETF last call and an RFC Editor's note has been added in response to one issue raised.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

Please add a normative reference to:

[STD0008] Postel, J., and Reynolds, J., "Telnet Protocol Specification",  
STD 0008, May 1983.

IESG Note

(Insert IESG Note here)

IANA Note

Please update the registration of the Telnet scheme to point to this document  
once it has been published.

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA18700  
for <iesg-archive@lists.ietf.org>; Mon, 18 Apr 2005 18:20:27 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1DNeRp-0006mT-8u; Mon, 18 Apr 2005 18:10:29 -0400

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1DNeRn-0006mI-LB  
for iesg@megatron.ietf.org; Mon, 18 Apr 2005 18:10:28 -0400

Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA17417;  
Mon, 18 Apr 2005 18:10:24 -0400 (EDT)

Message-Id: <200504182210.SAA17417@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org

Date: Mon, 18 Apr 2005 18:10:24 -0400

Cc: bfuller@foretec.com, amyk@foretec.com

Subject: Preliminary Agenda and Package for April 25, 2005 Telechat

X-BeenThere: iesg@ietf.org

X-Mailman-Version: 2.1.5

Precedence: list

List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the April 25, 2005 IESG Teleconference

This agenda was generated at 18:4:25 EDT, April 18, 2005

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-avt-rtp-vmr-wb-10.txt  
Real-Time Transport Protocol (RTP) Payload Formats for the Variable-Rate  
Multimode Wideband (VMR-WB) Audio Codec (Proposed Standard) - 1 of 5  
Note: PROTO Shepherd [magnus.westerlund@ericsson.com](mailto:magnus.westerlund@ericsson.com)  
Token: Allison Mankin
- o draft-ietf-lemonade-mms-mapping-02.txt  
Mapping Between the Multimedia Messaging Service (MMS) and Internet Mail  
(Proposed Standard) - 2 of 5  
Token: Ted Hardie
- o draft-ietf-lemonade-notify-s2s-00.txt

Server To Server Notification Protocol Requirements (Proposed Standard) - 3 of 5  
Token: Ted Hardie

- o draft-ietf-bridge-bridgemib-smiv2-10.txt  
Definitions of Managed Objects for Bridges (Proposed Standard) - 4 of 5  
Token: Bert Wijnen
- o draft-ietf-avt-rtp-amrwbplus-06.txt  
RTP Payload Format for Extended AMR Wideband (AMR-WB+) Audio Codec (Proposed Standard) - 5 of 5  
Note: PROTO shepherd: Colin Perkins <csp@csp@csperkins.org>;  
Token: Allison Mankin

2.1.2 Returning Item  
NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-josefsson-dns-url-11.txt  
Domain Name System Uniform Resource Identifiers (Proposed Standard) - 1 of 5  
Token: Ted Hardie
- o draft-rescorla-dtls-04.txt  
Datagram Transport Layer Security (Proposed Standard) - 2 of 5  
Token: Russ Housley
- o draft-freed-media-type-reg-04.txt  
Media Type Specifications and Registration Procedures (BCP) - 3 of 5  
Token: Scott Hollenbeck
- o draft-lee-ipsec-cipher-seed-01.txt  
The SEED Cipher Algorithm and Its Use With IPSec (Proposed Standard) - 4 of 5  
Token: Russ Housley
- o draft-hoffman-telnet-uri-04.txt  
The telnet URI Scheme (Proposed Standard) - 5 of 5  
Token: Ted Hardie

2.2.2 Returning Item  
NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a

reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item

NONE

#### 3.1.2 Returning Item

- o draft-ietf-multi6-multihoming-threats-03.txt

Threats relating to IPv6 multihoming solutions (Informational) - 1

of 1

Token: David Kessens

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item

- o draft-dtessman-urn-namespace-federated-content-01.txt

URN Namespace for Federated Content (Informational) - 1 of 2

Note: RFC Editor note: Rules for Lexical Equivalence: √. √. √. In addition

to the rules defined in RFC 2141 [4], normalize the. √. √. √. case of the

ProviderId before comparison. Rules for Lexical Equivalence: √. √. √. In

addition to the rules defined in RFC 2141 [4], normalize the. √. √. √. case

of the ProviderId to lower case before comparison.

Token: Ted Hardie

- o draft-dolan-urn-isn-00.txt

ISAN URN Definition (Informational) - 2 of 2

Token: Ted Hardie

#### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for Approval

NONE

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

- o IPv6 Operations (v6ops) - 1 of 1

Token: David Kessens

#### 4.2.2 Proposed for Approval

NONE

## 5. Agenda Working Group News

## 6. IAB News We can use

## 7. Management Issue

### 7.1 WG Chartering/Re-Chartering (David Kessens)

-----  
-----

## INTERNET ENGINEERING STEERING GROUP (IESG) Agenda for the April 25, 2005 IESG Teleconference

This package was generated at 18:4:25 EDT, April 18, 2005.

## 1. Administrivia

### 1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on MONDAY, April 25, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for

connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Brian Carpenter---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in  
David Kessens---Will call in  
Allison Mankin---Will call in  
Dave Meyer---Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Barbara Roseman---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number

706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

| Country                       | Number           |
|-------------------------------|------------------|
| Argentina Dial-In #:          | 08006660275      |
| Australia Dial-In #:          | 1800004017       |
| Austria Dial-In #:            | 0800293225       |
| Bahamas Dial-In #:            | 18003890371      |
| Belgium Dial-In #:            | 080070189        |
| Brazil Dial-In #:             | 08008916634      |
| China Dial-In #:              | 108001400446     |
| Colombia Dial-In #:           | 018009198732     |
| Czech Republic Dial-In #:     | 800142528        |
| Denmark Dial-In #:            | 80880221         |
| Dominican Republic Dial-In #: | 18887514594      |
| Finland Dial-In #:            | 0800112488       |
| France Dial-In #:             | 0800917496       |
| Germany Dial-In #:            | 08001818365      |
| Greece Dial-In #:             | 0080016122038903 |
| Hong Kong Dial-In #:          | 800901760        |
| Hungary Dial-In #:            | 0680015661       |
| Iceland Dial-In #:            | 8008234          |
| Indonesia Dial-In #:          | 008800105397     |
| Ireland Dial-In #:            | 1800550668       |
| Israel Dial-In #:             | 1809458905       |
| Japan Dial-In #:              | 00531160236      |
| Korea (South) Dial-In #:      | 00308140464      |
| Latvia Dial-In #:             | 8002033          |

Lithuania Dial-In #: 880030145  
Luxembourg Dial-In #: 80024217  
Malaysia Dial-In #: 1800807300  
Mexico Dial-In #: 0018005148732  
Monaco Dial-In #: 80093175  
Netherlands Dial-In #: 08000235265  
New Zealand Dial-In #: 0800441382  
Norway Dial-In #: 80013184  
Poland Dial-In #: 008001114592  
Portugal Dial-In #: 800819682  
Puerto Rico Dial-In #: 18664031409  
Russian Federation Dial-In #: 81080022581012  
Saint Kitts and Nevis Dial-In #: 18007449294  
South Africa Dial-In #: 0800994887  
Spain Dial-In #: 900981518  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905  
Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

1.3 Approval of the Minutes  
DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the April 14, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

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Brian Carpenter / IBM  
Michelle Cotton / ICANN (IANA)  
Leslie Daigle / VeriSign (IAB)  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat

Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / VeriSign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Dave Meyer / Cisco/University of Oregon (IAB Liaison)  
Jon Peterson / NeuStar, Inc.  
Joyce K. Reynolds / RFC Editor  
Barbara Roseman / ICANN (IANA)  
Mark Townsley / Cisco  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / Nokia  
Bert Wijnen / Lucent  
Alex Zinin / Alcatel

## REGRETS

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Dinara Suleymanova / IETF Secretariat

## MINUTES

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### 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the March 31, 2005 Teleconference were approved.  
The Secretariat will place the minutes in the public archives.

#### 1.2 Documents Approved since the March 31, 2005 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-ccamp-gmpls-recovery-functional-04.txt (Proposed Standard)
- o draft-ietf-ipsec-rfc2401bis-06.txt (Proposed Standard)
- o draft-ietf-msec-mikey-dhmac-11.txt (Proposed Standard)
- o draft-ietf-vpim-routing-10.txt (Proposed Standard)
- o draft-ietf-vpim-vpimdir-11.txt (Proposed Standard)

##### 1.2.2 Document Actions

- o draft-ietf-ccamp-gmpls-recovery-analysis-05.txt (Informational)
- o draft-ietf-ccamp-gmpls-recovery-terminology-06.txt (Informational)
- o draft-ietf-sipping-e2m-sec-reqs-06.txt (Informational)
- o draft-malamud-subject-line-05.txt (Informational)

- o draft-shafranovich-mime-csv-05.txt (Informational)

### 1.3 Review of Action Items

#### DONE:

- o David Kessens to suggest a change to the WG chartering procedures so that milestones are included in the public review.

#### DELETED:

- o Allison Mankin to talk to Geoff Huston about reopening his Quality of Service RFC.

#### IN PROGRESS:

- o Applications ADs to evaluate the situation with regards to MIME type review, and see how we can ensure the review turnaround times specified in the MIME registration procedures.
- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.

#### NEW:

- o Allison Mankin to craft IESG response to the Roberts (ipv6-parameter) Request for Assignments.

### 1.4 Review of Projects

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-sipping-dialog-package-06.txt - 1 of 2  
An INVITE Initiated Dialog Event Package for the Session Initiation Protocol (SIP) (Proposed Standard)  
Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Scott Hollenbeck.\*

o draft-ietf-sip-history-info-06.txt - 2 of 2

An Extension to the Session Initiation Protocol for Request History Information

(Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Ted Hardie, and Russ Housley.\*

2.1.2 Returning Item

o draft-ietf-mpls-bundle-06.txt - 1 of 1

Link Bundling in MPLS Traffic Engineering (Proposed Standard)

Token: Alex Zinin

The document was approved by the IESG pending an RFC Editor's Note to be prepared by Alex Zinin. The Secretariat will send a working group submission

Protocol Action Announcement that includes the RFC Editor's Note.

2.2 Individual Submissions

2.2.1 New Item

NONE

2.2.2 Returning Item

NONE

3. Document Actions

3.1 WG Submissions

3.1.1 New Item

NONE

3.1.2 Returning Item

NONE

3. Document Actions

3.2 Individual Submissions Via AD

3.2.1 New Item

NONE

### 3.2.2 Returning Item

NONE

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for IETF Approval

NONE

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for IETF Approval

NONE

## 5. Working Group News We Can Use

## 6. IAB News We Can Use

## 7. Management Issues

### 7.1 Expert Reviewer Appointment IESG/IANA (Allison Mankin)

The management issue was discussed. The IESG will review an Internet-Draft produced by Allison Mankin on the issue of expert reviewers appointed by the IESG for IANA.

## 7.2 IESG Handling of General Request for Assignments (Roberts) (ipv6-parameter) (Allison Mankin and Michelle Cotton)

The management issue was discussed. The IESG has taken the token to prepare an appropriate response for Dr. Roberts.

Action item: Allison Mankin to craft IESG response to the Roberts (ipv6-parameter) Request for Assignments.

## 7.3 Request to Expedite draft-ietf-ips-fcmgmt-mib-06.txt, approved 14 March (Allison Mankin)

The management issue was discussed. The IESG approved the request to expedite publication of this document.

## 7.4 Appointment of the IANA Experts Provided for in draft-ietf-geopriv-pidf-lo-03.txt (Ted Hardie)

The management issue was discussed. The IESG appointed Allison Mankin and

Jon Peterson as the primary and secondary Expert Reviewers respectively for the provided-by registry of draft-ietf-geopriv-pidf-lo-03.txt.

## 7.5 Use of a "secretary" for IANA Expert Function (Ted Hardie)

The management issue was discussed. The IESG approved the use of the proposed mechanism. (Revised text of proposal coming from Ted Hardie.)

## 7.6 WG Chartering/Re-chartering (David Kessens)

The management issue was discussed. David Kessens will revise the proposal. The Secretariat will place this management issue back on the agenda for the next IESG Teleconference (04/25/2005).

NOTE: The IESG decided that the complete WG charter, with the exception of names of the proposed WG Chair(s) should be included in the WG Review announcements.

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\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG.

## 1. Administrivia

## 1.4 Review of Action Items

### OUTSTANDING TASKS

Last updated: April 18, 2005

- IP o Applications ADs to evaluate the situation with regards to MIME type review, and see how we can ensure the review turnaround times specified in the MIME registration procedures.
- IP o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.
- IP o Allison Mankin to craft IESG response to the Roberts (ipv6-parameter) Request for Assignments.

## 1. Administrivia

### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 5

- o draft-ietf-avt-rtp-vmr-wb-10.txt  
Real-Time Transport Protocol (RTP) Payload Formats for the Variable-Rate Multimode Wideband (VMR-WB) Audio Codec (Proposed Standard)  
Note: PROTO Shepherd magnus.westerlund@ericsson.com  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-avt-rtp-vmr-wb-10.txt to Proposed Standard

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Evaluation for draft-ietf-avt-rtp-vmr-wb-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11856&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11856&rfc_flag=0)

Last Call to expire on: 2005-04-18

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

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^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

avt mailing list <avt@ietf.org>, avt chair <csp@csp@csperkins.org>, avt  
chair

<magnus.westerlund@ericsson.com>

Subject: Protocol Action: 'Real-Time Transport Protocol (RTP) Payload  
and File Storage Formats for the Variable-Rate Multimode

Wideband

(VMR-WB) Audio Codec' to Proposed Standard

The IESG has approved the following document:

- 'Real-Time Transport Protocol (RTP) Payload and File Storage Formats for the Variable-Rate Multimode Wideband (VMR-WB) Audio Codec ' <draft-ietf-avt-rtp-vmr-wb-02.txt> as a Proposed Standard

This document is the product of the Audio/Video Transport Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary:

This specification defines the RTP payload format for the 3GPP2 defined VMR-WB codec. The payload format supports a highly optimized conversational mode, and a octet-aligned mode with aggregation and support for frame interleaving to reduce the effect of packet loss when aggregating frames. The codec is able to support both 8kHz and 16kHz audio input sampling frequency, this results in the unusual solution to have an RTP timestamp rate that is not necessarily the same as the sampling audio sampling rate. The specification also defines a media type to identify the codec and its packetization.

#### Working Group Summary:

The working group supported advancing this specification. The 3GPP2 liaison informed the IETF that this document is a critical dependency.

#### Protocol Quality:

This payload format uses packetization methods that are well known and used by other RTP payload formats and are known to work. The RTP timestamp solution has been heavily discussed and consensus has been reached on the solution. The document has been reviewed both within the WG and externally. The shepherd for the IESG is Magnus Westerlund.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a

reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 2 of 5

o draft-ietf-lemonade-mms-mapping-02.txt

Mapping Between the Multimedia Messaging Service (MMS) and Internet Mail

(Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-lemonade-mms-mapping-02.txt to Proposed Standard

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Evaluation for draft-ietf-lemonade-mms-mapping-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12144&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12144&rfc_flag=0)

Last Call to expire on: 2005-02-17

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
lemonade mailing list <lemonade@ietf.org>,  
lemonade chair <gparsons@nortelnetworks.com>,  
lemonade chair <eburger@brooktrout.com>  
Subject: Protocol Action: 'Mapping Between the Multimedia Messaging  
Service (MMS) and Internet Mail' to Proposed Standard

The IESG has approved the following document:

- 'Mapping Between the Multimedia Messaging Service (MMS) and Internet  
Mail '  
    <draft-ietf-lemonade-mms-mapping-02.txt> as a Proposed Standard

This document is the product of the Enhancements to Internet email to  
support  
diverse service environments Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

#### Technical Summary

The cellular telephone industry has defined a service known as the  
Multimedia Messaging Service (MMS). This service uses formats and  
protocols which are similar to, but differ in key ways from those  
used in Internet mail. This document specifies how to exchange messages  
between  
these two services, including mapping information elements as used in  
MMS  
X-Mms-\* headers as well as delivery and disposition reports, to and  
from that used in ESMTP and Internet message headers.

#### Working Group Summary

The LEMONADE working group came to consensus on the publication of this  
document. No issues were raised during IETF Last Call. This work was  
coordinated with 3GPP and 3GPP2 by the author and working group chairs.

#### Protocol Quality

This work was reviewed for the IESG by Eric Burger and Glenn Parsons.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 5

- o draft-ietf-lemonade-notify-s2s-00.txt

Server To Server Notification Protocol Requirements (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-lemonade-notify-s2s-00.txt to Proposed Standard

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Evaluation for draft-ietf-lemonade-notify-s2s-00.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12193&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12193&rfc_flag=0)

Last Call to expire on: 2005-02-17

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

lemonade mailing list <lemonade@ietf.org>,

lemonade chair <gparsons@nortelnetworks.com>,

lemonade chair <eburger@brooktrout.com>

Subject: Protocol Action: 'Server To Server Notification Protocol  
Requirements' to Proposed Standard

The IESG has approved the following document:

- 'Server To Server Notification Protocol Requirements '  
<draft-ietf-lemonade-notify-s2s-00.txt> as a Proposed Standard

This document is the product of the Enhancements to Internet email to  
support  
diverse service environments Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

#### Technical Summary

This memo puts forward a set of requirements for a protocol in which a messaging system submit alerts which describe potential notification events regarding an end user mailbox status. These alerts are sent to a notification service, which may, in turn, generate an end user alert notification. This is intended to allow a messaging system to remain unaware of a user's changing notification preferences.

#### Working Group Summary

The LEMONADE working group came to consensus that this document should be published.

#### Protocol Quality

This document was reviewed for the IESG by Eric Burger and Glenn Parsons.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

2.1.1 New Item - 4 of 5

- o draft-ietf-bridge-bridgemib-smiv2-10.txt  
Definitions of Managed Objects for Bridges (Proposed Standard)  
Token: Bert Wijnen

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-bridge-bridgemib-smiv2-10.txt to  
Proposed

Standard

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Evaluation for draft-ietf-bridge-bridgemib-smiv2-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7183&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7183&rfc_flag=0)

Last Call to expire on: 2005-03-11

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ X ] | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
bridge mailing list <bridge-mib@ietf.org>,  
bridge chair <dromasca@avaya.com>,  
bridge chair <dbharrington@comcast.net>  
Subject: Protocol Action: 'Definitions of Managed Objects for Bridges'  
to Proposed Standard

The IESG has approved the following document:

- 'Definitions of Managed Objects for Bridges '  
<draft-ietf-bridge-bridgemib-smiv2-10.txt> as a Proposed Standard

This document is the product of the Bridge MIB Working Group.

The IESG contact persons are Bert Wijnen and David Kessens.

#### Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP based internets. In particular it defines objects for managing MAC bridges based on the IEEE 802.1D-1998 standard between Local Area Network (LAN) segments. Provisions are made for support of transparent bridging. Provisions are also made so that these objects apply to bridges connected by subnetworks other than LAN segments.

The MIB module presented in this memo is a translation of the BRIDGE-MIB defined in RFC 1493 to the SMIV2 syntax, updated slightly to accommodate higher speed links.

This document obsoletes RFC 1493

#### Working Group Summary

The Bridge MIB Working Group discussed this document and approved its content in a Working Group Last Call process. All issues raised during the WG Last Call have been resolved, maintained in the RT system, and a summary of the resolutions was published to the mailing list for comment. The WG recommends that this document be forwarded to the IESG for consideration as a Proposed Standard.

It is the intention of the WG that subsequent mib module work for IEEE 802.1 technologies will be done by the IEEE 802.1 WG. There are

some concerns about the quality of work likely to result from SNMP non-experts, but the IETF is providing MIB Doctor review of their MIB module work during the transition.

## Protocol Quality

The document was reviewed in detail by John Flick, and discussed by several other MIB experts. A number of IEEE 802.1 WG members, including the vice chair, were involved in discussions.

The discussions and clarifications resulted in editorial changes in the document.

The MIB module proposed by this document is the SMIV2 version of RFC 1493, which is implemented by many vendors in the industry. Backwards compatibility has been maintained, and most of the protocol data is identical between versions. It is expected that at least some of these vendors will implement the new version incarnated by this document, and other may choose to implement it in the future, because of the growing acceptance of the IEEE 802.1 protocol in the industry. It is our belief that the document is at the appropriate quality for consideration as proposed standard.

## RFC Editor Note

none

## IESG Note

none

## IANA Note

none

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

2.1.1 New Item - 5 of 5

- o draft-ietf-avt-rtp-amrwbplus-06.txt  
RTP Payload Format for Extended AMR Wideband (AMR-WB+) Audio Codec  
(Proposed Standard)  
Note: PROTO shepherd: Colin Perkins <csp@csperkins.org>  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-avt-rtp-amrwbplus-06.txt to Proposed  
Standard

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Evaluation for draft-ietf-avt-rtp-amrwbplus-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11905&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11905&rfc_flag=0)

Last Call to expire on: 2005-04-18

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

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^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
avt mailing list <avt@ietf.org>,  
avt chair <csp@csp@perkins.org>,  
avt chair <magnus.westerlund@ericsson.com>  
Subject: Protocol Action: 'RTP Payload Format for Extended AMR  
Wideband (AMR-WB+) Audio Codec' to Proposed Standard

The IESG has approved the following document:

- 'RTP Payload Format for Extended AMR Wideband (AMR-WB+) Audio Codec '  
<draft-ietf-avt-rtp-amrwbplus-06.txt> as a Proposed Standard

This document is the product of the Audio/Video Transport Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

Technical summary:

This draft defines an RTP payload format for the new AMR-WB+ audio codec. The format is heavily derived from the existing RTP payload format for the AMR-WB audio codec (RFC 3267), with some simplifications and with support for the new features of the WB+ modes. The design choices are largely those that have been proven in previous payload formats. The only somewhat unusual feature is that the RTP clock rate is run at a different rate than the audio sampling rate, to allow for variable rate coding.

Working group summary:

There is strong consensus in the working group that this is an appropriate solution.

The specification is reported as a critical dependency by 3GPP's liaison to the IETF.

Protocol quality:

The protocol is being widely implemented by 3GPP companies. It has been extensively reviewed by Colin Perkins and Dave Singer; Colin is the shepherd of the document for the IETF.

## IANA Note

(Insert IANA Note here)

### 2.1.2 Returning Item

NONE

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 1 of 5

- o draft-josefsson-dns-url-11.txt  
Domain Name System Uniform Resource Identifiers (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-josefsson-dns-url-11.txt to Proposed Standard  
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Evaluation for draft-josefsson-dns-url-11.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=6381&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6381&rfc_flag=0)

Last Call to expire on: 2005-03-23

Please return the full line with your position.

|                  | Yes   | No-Objection | Discuss | Abstain |
|------------------|-------|--------------|---------|---------|
| Brian Carpenter  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner      | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie       | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman      | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|
| Russ Housley       | [ | ] | [ | ] | [ | ] | [ | ] |
| David Kessens      | [ | ] | [ | ] | [ | ] | [ | ] |
| Allison Mankin     | [ | ] | [ | ] | [ | ] | [ | ] |
| Jon Peterson       | [ | ] | [ | ] | [ | ] | [ | ] |
| Mark Townsley      | [ | ] | [ | ] | [ | ] | [ | ] |
| Margaret Wasserman | [ | ] | [ | ] | [ | ] | [ | ] |
| Bert Wijnen        | [ | ] | [ | ] | [ | ] | [ | ] |
| Alex Zinin         | [ | ] | [ | ] | [ | ] | [ | ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Domain Name System Uniform Resource

Identifiers' to \*\*\* YOU MUST SELECT AN INTENDED STATUS FOR THIS

DRAFT

AND REGENERATE THIS TEXT \*\*\*

The IESG has approved the following document:

- 'Domain Name System Uniform Resource Identifiers '

<draft-josefsson-dns-url-11.txt> as \*\*\* YOU MUST SELECT AN INTENDED  
STATUS

FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

This document describes a URI scheme that allows an application to  
reference

data stored in the DNS. It notes use cases for which this is needed.

It

also contrasts this with other possible DNS-related URI schemes, in

particular  
one which mapped to the DNS protocol actions used to send queries with specific flags.

#### Working Group Summary

This work is the product of an individual submitter. There was significant discussion of this scheme in its early review; in particular, the lack of an ability to specify protocol flags was deemed to be a serious deficit. Efforts to produce a single scheme which served that purpose as well as the purposes inherent in these use cases did not succeed. The result was a proposal to limit this scheme's applicability explicitly and to allow for, or even invite, the creation of a scheme specific to the protocol processing.

The one aspect of "protocol processing" left in this scheme is a specific designation of authority (that is, target server), which is required both for diagnostics and in cases of split DNS.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a

reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.2 Individual Submissions

### 2.2.1 New Item - 2 of 5

o draft-rescorla-dtls-04.txt

Datagram Transport Layer Security (Proposed Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-rescorla-dtls-04.txt to Proposed Standard

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Evaluation for draft-rescorla-dtls-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11289&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11289&rfc_flag=0)

Last Call to expire on: 2005-03-25

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Datagram Transport Layer Security' to  
Proposed Standard

The IESG has approved the following document:

- 'Datagram Transport Layer Security '  
<draft-rescorla-dtls-01.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Steve Bellovin.

#### Technical Summary

This document specifies Version 1.0 of the Datagram Transport Layer Security (DTLS) protocol. The DTLS protocol provides communications privacy for datagram protocols. The protocol allows client/server applications to communicate in a way that is designed to prevent eavesdropping, tampering, or message forgery. The DTLS protocol is based on the TLS protocol and provides equivalent security guarantees. Datagram semantics of the underlying transport are preserved by the DTLS protocol.

#### Working Group Summary

This document was not generated by any IETF Working Group.

#### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a

reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.2 Individual Submissions

### 2.2.1 New Item - 3 of 5

o draft-freed-media-type-reg-04.txt

Media Type Specifications and Registration Procedures (BCP)

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-freed-media-type-reg-04.txt to BCP

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Evaluation for draft-freed-media-type-reg-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12221&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12221&rfc_flag=0)

Last Call to expire on: 2005-04-12

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Media Type Specifications and Registration  
Procedures' to BCP

The IESG has approved the following document:

- 'Media Type Specifications and Registration Procedures '  
<draft-freed-media-type-reg-04.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

#### Technical Summary

This document defines procedures for the specification and registration of media types for use in MIME and other Internet protocols. Combined with "Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures (draft-freed-mime-p4), this draft obsoletes RFC 2048 if approved.

#### Working Group Summary

This document is the work of individual submitters. It was subjected to MIME-types review, but it has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document. Most IETF last call comments were also incorporated into the document, but there was a disagreement between the authors and at least one reviewer who suggested that the procedures in this document are not consistent with those specified in RFC 3555. The authors believe that any inconsistencies should be addressed by updating RFC 3555.

#### Protocol Quality

Ted Hardie and Scott Hollenbeck have reviewed this specification for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 4 of 5

o draft-lee-ipsec-cipher-seed-01.txt

The SEED Cipher Algorithm and Its Use With IPSec (Proposed Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-lee-ipsec-cipher-seed-01.txt to Proposed Standard

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Evaluation for draft-lee-ipsec-cipher-seed-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11876&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11876&rfc_flag=0)

Last Call to expire on: 2005-04-15

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

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Brian Carpenter:

Comment [2005-04-18]:

Small note from Spencer Dawkins:

This document does still contain two fairly important references to web pages

in the body of the draft:

- [http://www.kisa.or.kr/seed/seed\\_eng.html](http://www.kisa.or.kr/seed/seed_eng.html) and
- [http://www.kisa.or.kr/seed/seed\\_eng.html](http://www.kisa.or.kr/seed/seed_eng.html),

plus several more in the references section.

Assuming that

<ftp://ftp.rfc-editor.org/in-notes/rfc-editor/instructions2authors.txt> is current, today's instructions advise against including URLs that can change in

RFCs that can't. The RFC Editor would likely provide guidance, though.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The SEED Cipher Algorithm and Its Use With  
IPSec' to Proposed Standard

The IESG has approved the following document:

- 'The SEED Cipher Algorithm and Its Use With IPSec '  
<draft-lee-ipsec-cipher-seed-00.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

## Technical Summary

This protocol is about the use of the SEED block cipher algorithm in Cipher Block Chaining Mode, with an explicit IV, as a confidentiality mechanism within the context of the IPsec Encapsulating Security Payload (ESP).

## Working Group Summary

This is not a WG document. Although some widely used block cipher algorithms are already used in IPsec ESP, this SEED offers another algorithm choice. This document specifies the conventions for the use of SEED with IPsec ESP.

## Protocol Quality

SEED is a national industrial association standard (TTA K0-12.0004, 1999) in Korea. It will also be an ISO/IEC standard soon.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 5 of 5

- o draft-hoffman-telnet-uri-04.txt  
The telnet URI Scheme (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-hoffman-telnet-uri-04.txt to Proposed Standard

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Evaluation for draft-hoffman-telnet-uri-04.txt can be found at  
<https://datatracker.ietf.org/cgi-bin/idtracker.cgi?>

command=view\_id&dTag=12233&rfc\_flag=0

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The telnet URI Scheme' to Proposed Standard

The IESG has approved the following document:

- 'The telnet URI Scheme '  
<draft-hoffman-telnet-uri-04.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

## Technical Summary

This document specifies the telnet Uniform Resource Identifier (URI) scheme that was originally specified in RFC 1738. The purpose of this document is to allow RFC 1738 to be made obsolete while keeping the information about the scheme on the standards track and appropriately referenced within the IANA registry.

## Working Group Summary

This document is the product of an individual submitter, but the strategy of splitting RFC 1738's registrations was discussed by the URI mailing list. The document did receive comments during the IETF last call and an RFC Editor's note has been added in response to one issue raised.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

Please add a normative reference to:

[STD0008] Postel, J., and Reynolds, J., "Telnet Protocol Specification", STD 0008, May 1983.

## IESG Note

(Insert IESG Note here)

## IANA Note

Please update the registration of the Telnet scheme to point to this document once it has been published.

### 2.2.2 Returning Item

NONE

### 3.1.1 New Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

### 3.1.2 Returning Item - 1 of 1

#### o draft-ietf-multi6-multihoming-threats-03.txt

Threats relating to IPv6 multihoming solutions (Informational)

Token: David Kessens

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-multi6-multihoming-threats-03.txt to  
Informational RFC

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Evaluation for draft-ietf-multi6-multihoming-threats-03.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11954&rfc_flag=0)

[command=view\\_id&dTag=11954&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11954&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                  | Yes   | No-Objection | Discuss | Abstain |
|------------------|-------|--------------|---------|---------|
| Brian Carpenter  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie       | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman      | [ X ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Russ Housley     | [ ]   | [ X ]        | [ . ]   | [ ]     |
| David Kessens    | [ X ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin   | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Jon Peterson     | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |       |       |     |
|--------------------|-----|-------|-------|-----|
| Mark Townsley      | [ ] | [ ]   | [ ]   | [ ] |
| Margaret Wasserman | [ ] | [ ]   | [ X ] | [ ] |
| Bert Wijnen        | [ ] | [ X ] | [ ]   | [ ] |
| Alex Zinin         | [ ] | [ ]   | [ ]   | [ ] |

|                   |     |       |     |     |
|-------------------|-----|-------|-----|-----|
| Harald Alvestrand | [ ] | [ X ] | [ ] | [ ] |
|-------------------|-----|-------|-----|-----|

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Comment [2004-11-29]:

[also emailed to try and get a response before the telechat]

First, this was a well written explanation of the multihoming threats. I appreciate the thoroughness of this work.

I do have one comment; this is not a discuss but I believe the document would be improved by fixing a possible error.

On page 8:

together with channel bindings allow protocols which in themselves are vulnerable to MiTM-attacks to operate with a high level of confidentiality in the security of the identification of the peer. A typical example is the Remote Desktop Protocol (RDP) which when used with opportunistic IPsec works well if channel bindings are available. Channel bindings provide a link between the IP-layer identification and the application protocol identification.

Is RDP actually the example you intended to use? If so, are we talking about Microsoft's RDP? To the best of my knowledge, RDP doesn't actually have any way of authenticating the user; the login sequence is carried out within the RDP connection as a normal application exchange. Also, I believe RDP provides its own (weak) encryption and I don't think is typically used with IPsec. Perhaps a better example is RDDP, the Remote Direct Data Placement Protocol.

Russ Housley:

Comment [2004-12-01]:

Overall a very nice job.

In the Abstract:

s/inherent in the problem itself/inherent in all IPv6 multihoming solutions/

Allison Mankin:

Comment [2005-03-30]:

The revision addressed my Discuss. My Discuss was a bit inaccurate - it stated

a wrong section number - it was about 4.3, not 4.4, and about a DoS proposal.

The author much improved the text on revisiting.

Overall comment remains: a very thoughtful document

Margaret Wasserman:

Discuss [2004-12-01]:

There is an ongoing "mini" WG LC (~3 U.S. business days) ongoing on this document, and Iljitsch van Beijnum has made some comments.

Essentially, Iljitsch has pointed out that the multihoming model considered in the threats document (full ID/Loc split) doesn't match the ULID-based mechanism (pool of locators, one used as ID for a given session) that we are currently pursuing as the technical solution. The new model might have impact on the threats, particularly on the discussion of redirection on pages 41 and 42.

I'm not sure if this is a blocking issue or not, but I think we should wait for the discussion on the multi6 mailing list to conclude before we approve the document for publication.

Bert Wijnen:

Comment [2004-12-02]:

\*\*\* matchref -- match citations and references.

Input file: draft-ietf-multi6-multihoming-threats-02.txt

!! Missing citation for Informative reference:

P026 L021: [ADDR-ARCH] S. Deering, R. Hinden, Editors, "IP Version 6

!! Missing citation for Informative reference:

P026 L030: [IPv6-AUTH] R. Atkinson. "IP Authentication Header",  
RFC  
2402,

!! Missing citation for Informative reference:

P026 L033: [IPv6-ESP] R. Atkinson. "IP Encapsulating Security  
Payload  
(ESP)",

!! Missing citation for Informative reference:

P026 L027: [IPv6-SA] R. Atkinson. "Security Architecture for the  
Internet

!! Missing citation for Informative reference:

P026 L024: [IPv6] S. Deering, R. Hinden, Editors, "Internet  
Protocol,  
Version

!! Missing citation for Informative reference:

P027 L016: [MAST] D. Crocker, "MULTIPLE ADDRESS SERVICE FOR  
TRANSPORT  
(MAST):

-----

Comments from AAA\_doctor review (Jari):

Overall:

This an excellent and well written document. I had no major  
problems with it. However, a few smaller nits or questions  
were found here and there. Nothing worth a DISCUSS, but you  
could pass the comments along.

Substantial:

> 2) Does multicast make matters worse? It usually does.

Not sure if the multicast angle relates to a specific solution  
like the start of the list implies or if its a more general issue  
with multihoming. I suspect the latter. Suggestion: if you haven't  
dealt with multicast in this document, say so.

> Hence there is a different way to describe the same thing. If the

- > peer can somehow prove that it is the owner of the identifier, then
- > the peer can control the locators that are used with the identifier.
- > This way to describe the problem is used in [OWNER].

Hmm... I think there's a step here that seems a bit vague (may become clear when you read the rest of the document, but not yet here). This assumes that all communications are bound to the identifier, not the locator. Perhaps you want to say this explicitly.

- > in the routing system
- > delivering packets to that address. Applications that use mutually
- > authenticating security mechanisms, such as IPSEC or TLS, have the
- > ability to bind an address or FQDN to cryptographic keying material.

Nit: TLS most often does not do mutual authentication. Suggestion: s/use mutually authenticating security mechanisms/use security mechanisms/

- > The third, and final concern, is that if an attacker only need a few
- > packets to convince one host to flood a third party, then it wouldn't
- > be hard for the attacker to convince lots of hosts to flood the same
- > third party. Thus this could be used for Distributed
- > Denial-of-Service attacks.

Perhaps you want to explicitly say something about the amplification here. I believe amplification is the key issue here, and contrast this to the 1:1 amplification in the spoofed TCP SYN attack.

- > For instance, in the case of TCP it
- > would help if TCP slow-start was triggered when the destination
- > locator changes. (Folks might argue that, separately from security,
- > this would be the correct action for congestion control since TCP
- > might not have any congestion-relation information about the new path
- > implied by the new locator).

I'm not completely convinced that it would help. Seems like TCP slow start still involves a number of messages when the sender retransmits after not getting a response. Depending on the number of retransmits vs. the number of packets needed to get the attack going, this might or might not be useful. The key is again amplification. How many packets

you put in as an attacker, and how many does the victim get? Suggestion: s/it would help if/a partial defense would be given if/

- > Discussion: Perhaps the key issue is not about the granularity,
- > but about the lifetime of the state that is created? In a
- > transport-layer approach the multihoming state would presumably
- be
- > destroyed when the transport state is deleted as part of closing
- > the connection. But an IP-layer approach would have to rely on
- > some timeout or garbage collection mechanisms perhaps combined
- > with some new explicit signaling to remove the multihoming
- state.
- > The coupling between the connection state and multihoming state
- in
- > the transport-layer approach might make it more expensive for
- the
- > attacker, since it needs to keep the connections open. Is this
- > the case?

I think there's both a space (granularity) and time (lifetime) component in the results of either legitimate or fraudulent multihoming requests. Clearly there needs to be some limits on the effect of the requests.

- > There is a potential chicken-and-egg problem here, because
- > potentially one would want to avoid doing work or creating state
- > until the peer has been verified, but verification will probably
- need
- > some state and some work to be done.

Stateless design in verification protocols is well known today, so I don't think is much of an issue. Suggestion: Add "Avoiding any work does not seem possible, but good protocol design can often delay state creation until verification has been completed."

Editorial:

- > of the endpoints) and I think those would allow blocking as well.

Maybe s/I think//

- > Given that there isn't address privacy in site multihoming setups
- English is not my native language but I tend to replace "isn't"=>"is not" etc. (Multiple places

and multiple cases with don't/can't etc.)

> However, when a \*host\* is multi-homed to several ISP, e.g. through  
a

s/\*host\* is/host (not site) is directly/

> Such an attack might be against the resources of a particular host  
> i.e., C in the example above, or it might be against the network  
> infrastructure towards a particular IP address prefix, by  
overloading  
> the routers or links even though there is no host at the address  
> being targeted.

Move this paragraph to the end of Section 4.3, otherwise the "there are  
a few aspects" ... "the first is ..." are hard to understand when this  
paragraph is in the middle.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
multi6 mailing list <multi6@ops.ietf.org>,  
multi6 chair <brc@zurich.ibm.com>,  
multi6 chair <kurtis@kurtis.pp.se>

Subject: Document Action: 'Threats relating to IPv6 multihoming  
solutions' to Informational RFC

The IESG has approved the following document:

- 'Threats relating to IPv6 multihoming solutions '  
<draft-ietf-multi6-multihoming-threats-02.txt> as an Informational  
RFC

This document is the product of the Site Multihoming in IPv6 Working  
Group.

The IESG contact persons are David Kessens and Bert Wijnen.

Technical Summary

This document lists security threats related to IPv6 multihoming. Multihoming can introduce new opportunities to redirect packets to different, unintended IP addresses.

The intent is to look at how IPv6 multihoming solutions might make the Internet less secure than the current Internet, without studying any proposed solution but instead looking at threats that are inherent in the problem itself. The threats in this document build upon the threats discovered and discussed as part of the Mobile IPv6 work.

#### Working Group Summary

This document is a product of the multi6 working group.

#### Protocol Quality

David Kessens reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 1 of 2

- o draft-dtessman-urn-namespace-federated-content-01.txt

URN Namespace for Federated Content (Informational)

Note: RFC Editor note: Rules for Lexical Equivalence: √. √. √. In addition

to the rules defined in RFC 2141 [4], normalize the. √. √. √. case of the

ProviderId before comparison. Rules for Lexical Equivalence: √. √. √. In

addition to the rules defined in RFC 2141 [4], normalize the<br>√. √. √.

case of the ProviderId to lower case before comparison.  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-dtessman-urn-namespace-federated-content-01.txt to  
Informational RFC  
-----

Evaluation for draft-dtessman-urn-namespace-federated-content-01.txt can  
be  
found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12740&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12740&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Document Action: 'URN Namespace for Federated Content' to  
Informational RFC

The IESG has approved the following document:

- 'URN Namespace for Federated Content '  
<draft-dtessman-urn-namespace-federated-content-01.txt> as an  
Informational  
RFC

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

This is a request for a URN NID.

Working Group Summary

This request came from an individual submitter.

Protocol Quality

This request was reviewed by the URN-NID mailing list.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.2.1 New Item - 2 of 2

- o draft-dolan-urn-isan-00.txt  
ISAN URN Definition (Informational)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-dolan-urn-isan-00.txt to Informational RFC  
-----

Evaluation for draft-dolan-urn-isan-00.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=13020&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13020&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'ISAN URN Definition' to Informational RFC

The IESG has approved the following document:

- 'ISAN URN Definition '  
<draft-dolan-urn-isan-00.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

URN NID request.

Working Group Summary

Not the product of a working group, but reviewed by the URN-NID list.

Protocol Quality

Reviewed for the IETF by the URN-NID list.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

### 3.2.2 Returning Item

NONE

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.2 Proposed for Approval

NONE

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

- o IPv6 Operations (v6ops) - 1 of 1

Token: David Kessens

### IPv6 Operations (v6ops)

=====

Last Modified: 2005-4-18

Current Status: Active Working Group

### Description of Working Group:

The global deployment of IPv6 is underway, creating an IPv4/IPv6 Internet consisting of IPv4-only, IPv6-only and IPv4/IPv6 networks and nodes. This deployment must be properly handled to avoid the division of the Internet into separate IPv4 and IPv6 networks while ensuring

addressing and connectivity for all IPv4 and IPv6 nodes.

The IPv6 Operations Working Group (v6ops) develops guidelines for the operation of a shared IPv4/IPv6 Internet and provides operational guidance on how to deploy IPv6 into existing IPv4-only networks, as well as into new network installations.

The main focus of the v6ops WG is to look at the immediate deployment issues; more advanced stages of deployment and transition are a lower priority.

The goals of the v6ops working group are:

1. Solicit input from network operators and users to identify operational issues with the IPv4/IPv6 Internet, and determine solutions or workarounds to those issues. These issues will be documented in Informational or BCP RFCs, or in Internet-Drafts.

This work should primarily be conducted by those areas and WGs which are responsible and best fit to analyze these problems, but v6ops may also cooperate in focusing such work.

2. Publish Informational or BCP RFCs that identify potential security risks in the operation of shared IPv4/IPv6 networks, and document operational practices to eliminate or mitigate those risks.

This work will be done in cooperation with the Security area and other relevant areas or working groups.

3. As a particular instance of (1) and (2), provide feedback to the IPv6 WG regarding portions of the IPv6 specifications that cause, or are likely to cause, operational or security concerns, and work with the IPv6 WG to resolve those concerns. This feedback will be published in Internet-Drafts or RFCs.

4. Publish Informational or BCP RFCs that identify and analyze solutions for deploying IPv6 within common network environments, such as ISP Networks, Enterprise Networks, Unmanaged Networks (Home/Small Office), and Cellular Networks.

These documents should serve as useful guides to network operators and users on possible ways how to deploy IPv6 within their existing IPv4 networks, as well as in new network installations.

These documents should not be normative guides for IPv6 deployment,

and the primary intent is not capture the needs for new solutions, but rather describe which approaches work and which do not.

IPv6 operational and deployment issues with specific protocols or technologies (such as Applications, Transport Protocols, Routing Protocols, DNS or Sub-IP Protocols) are the primary responsibility of the groups or areas responsible for those protocols or technologies. However, the v6ops WG may provide input to those areas/groups, as needed, and cooperate with those areas/groups in reviewing solutions to IPv6 operational and deployment problems.

Future work items within this scope will be adopted by the WG only if there is a substantial expression of interest from the community and if the work clearly does not fit elsewhere in the IETF.

There must be a continuous expression of interest for the WG to work on a particular work item. If there is no longer sufficient interest in the WG in a work item, the item may be removed from the list of WG items.

Specifying any protocols or transition mechanisms is out of scope of the WG.

#### Goals and Milestones:

Done Adopt IPv6 deployment using VLANs to IESG for Info

Done Adopt ISP IPv6 Deployment Scenarios in Broadband Access Networks as WG item

Mar 05 Adopt document describing how to use IPsec with draft-ietf-v6ops-mech-v2 as WG item

Mar 05 Adopt IPv6 Security Overview as WG item

Mar 05 Adopt IPv6 Network Architecture Protection as WG item

Apr 05 Submit document describing issues with NAT-PT to IESG for Info

Apr 05 Submit IPv6 deployment using VLANs to IESG for Info

Apr 05 Ensure draft-ietf-v6ops-v6onbydefault keeps going forward for RFC publication

May 05 Submit document on IPsec w/ draft-ietf-v6ops-mech-v2 to IESG for Info

Jun 05 Submit Enterprise Deployment Analysis to IESG for Info

Jun 05 Submit IPv6 Network Architecture Protection to IESG for Info

Jul 05 Submit IPv6 Security Overview to IESG for Info

Jul 05 Submit ISP IPv6 Deployment Scenarios in Broadband Access Networks to IESG for Info

4. Working Group Actions  
4.2 WG Rechartering  
4.2.2 Proposed for Approval

NONE

5. Working Group News We Can Use

Brian Carpenter  
Bill Fenner  
Ted Hardie  
Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Jon Peterson  
Mark Townsley  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

6. IAB News We Can Use

7. Management Issues  
7.1 WG Charterine/Re-Chartering (David Kessens)

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTTP id TAA05938  
for <iesg-archive@lists.ietf.org>; Wed, 20 Apr 2005 19:21:52 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1D00ML-0002I0-9z; Wed, 20 Apr 2005 19:11:53 -0400

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1D00MJ-0002H1-Hz  
for iesg@megatron.ietf.org; Wed, 20 Apr 2005 19:11:52 -0400

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTTP id TAA03924  
for <iesg@ietf.org>; Wed, 20 Apr 2005 19:11:48 -0400 (EDT)

Received: from [132.151.6.50] (helo=newodin.ietf.org)  
by ietf-mx.ietf.org with esmtp (Exim 4.33)

id 1D00XZ-0003d0-FV; Wed, 20 Apr 2005 19:23:32 -0400  
Received: from apache by newodin.ietf.org with local (Exim 4.43)  
id 1D00MF-0007pr-6M; Wed, 20 Apr 2005 19:11:47 -0400  
Content-Type: text/plain;  
Mime-Version: 1.0  
To: IESG <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary-reply@ietf.org>  
Message-Id: <E1D00MF-0007pr-6M@newodin.ietf.org>  
Date: Wed, 20 Apr 2005 19:11:47 -0400  
X-Spam-Score: 0.1 (/)  
X-Scan-Signature: 0cf5d1487254fd201ae418dc7610d6d0  
Cc: bfuller@foretec.com, amyk@foretec.com  
Subject: UPDATED Agenda and Package for April 25, 2005 Telechat  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the April 25, 2005 IESG Teleconference

This agenda was generated at 19:5:1 EDT, April 20, 2005

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item

- o draft-ietf-idr-cease-subcode-05.txt  
Subcodes for BGP Cease Notification Message (Proposed Standard) - 1 of 5  
Token: Bill Fenner
- o draft-ietf-avt-rtp-vmr-wb-10.txt  
Real-Time Transport Protocol (RTP) Payload Formats for the Variable-Rate Multimode Wideband (VMR-WB) Audio Codec (Proposed Standard) - 2 of 5  
Note: PROTO Shepherd magnus.westerlund@ericsson.com  
Token: Allison Mankin
- o draft-ietf-lemonade-mms-mapping-02.txt  
Mapping Between the Multimedia Messaging Service (MMS) and Internet Mail (Proposed Standard) - 3 of 5  
Token: Ted Hardie
- o draft-ietf-bridge-bridgemib-smiv2-10.txt  
Definitions of Managed Objects for Bridges (Proposed Standard) - 4 of 5  
Token: Bert Wijnen
- o draft-ietf-avt-rtp-amrwbplus-06.txt  
RTP Payload Format for Extended AMR Wideband (AMR-WB+) Audio Codec (Proposed Standard) - 5 of 5  
Note: PROTO shepherd: Colin Perkins <csp@csp@csperkins.org>  
Token: Allison Mankin

### 2.1.2 Returning Item

NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-josefsson-dns-url-11.txt  
Domain Name System Uniform Resource Identifiers (Proposed Standard) - 1 of 5  
Token: Ted Hardie
- o draft-rescorla-dtls-04.txt  
Datagram Transport Layer Security (Proposed Standard) - 2 of 5  
Token: Russ Housley
- o draft-freed-media-type-reg-04.txt  
Media Type Specifications and Registration Procedures (BCP) - 3 of 5  
Token: Scott Hollenbeck
- o draft-lee-ipsec-cipher-seed-01.txt  
The SEED Cipher Algorithm and Its Use With IPSec (Proposed Standard)

- 4 of 5  
Token: Russ Housley
- o draft-hoffman-telnet-uri-04.txt  
The telnet URI Scheme (Proposed Standard) - 5 of 5  
Token: Ted Hardie

2.2.2 Returning Item  
NONE

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?  
If not, what changes would make it so?"

##### 3.1.1 New Item

- o draft-ietf-manet-dsr-10.txt  
The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks (DSR) (Experimental) - 1 of 3  
Token: Bill Fenner
  - o draft-ietf-idr-rfc1863-historic-00.txt  
Reclassification of RFC 1863 to Historic (Informational) - 2 of 3  
Token: Bill Fenner
  - o draft-ietf-lemonade-notify-s2s-00.txt  
Server To Server Notification Protocol Requirements (Informational)
- 3 of 3  
Token: Ted Hardie

##### 3.1.2 Returning Item

- o draft-ietf-multi6-multihoming-threats-03.txt  
Threats relating to IPv6 multihoming solutions (Informational) - 1 of 1  
Token: David Kessens

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?  
If not, what changes would make it so?"

### 3.2.1 New Item

- o draft-dtessman-urn-namespace-federated-content-01.txt

URN Namespace for Federated Content (Informational) - 1 of 2

Note: RFC Editor note: Rules for Lexical Equivalence: In addition

to the rules defined in RFC 2141 [4], normalize the. case of the

ProviderId before comparison. Rules for Lexical Equivalence:

In

addition to the rules defined in RFC 2141 [4], normalize the.

case

of the ProviderId to lower case before comparison.

Token: Ted Hardie

- o draft-dolan-urn-isn-00.txt

ISAN URN Definition (Informational) - 2 of 2

Token: Ted Hardie

### 3.2.2 Returning Item

NONE

## 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for Approval

NONE

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

- o IPv6 Operations (v6ops) - 1 of 1

Token: David Kessens

#### 4.2.2 Proposed for Approval

NONE

## 5. Agenda Working Group News

6. IAB News We can use

7. Management Issue

7.1 WG Chartering/Re-Charterine (David Kessens)

7.2 Should the Projects and Projects Page be public? (Allison Mankin)

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the April 25, 2005 IESG Teleconference

This package was generated at 19:5:1 EDT, April 20, 2005.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, April 14, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Brian Carpenter---Will call in  
Michelle Cotton---Will call in

Leslie Daigle---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in  
David Kessens---Will call in  
Allison Mankin---Will call in  
Dave Meyer---Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Barbara Roseman---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

## TOLL-FREE NUMBERS

| Country                          | Number           |
|----------------------------------|------------------|
| Argentina Dial-In #:             | 08006660275      |
| Australia Dial-In #:             | 1800004017       |
| Austria Dial-In #:               | 0800293225       |
| Bahamas Dial-In #:               | 18003890371      |
| Belgium Dial-In #:               | 080070189        |
| Brazil Dial-In #:                | 08008916634      |
| China Dial-In #:                 | 108001400446     |
| Colombia Dial-In #:              | 018009198732     |
| Czech Republic Dial-In #:        | 800142528        |
| Denmark Dial-In #:               | 80880221         |
| Dominican Republic Dial-In #:    | 18887514594      |
| Finland Dial-In #:               | 0800112488       |
| France Dial-In #:                | 0800917496       |
| Germany Dial-In #:               | 08001818365      |
| Greece Dial-In #:                | 0080016122038903 |
| Hong Kong Dial-In #:             | 800901760        |
| Hungary Dial-In #:               | 0680015661       |
| Iceland Dial-In #:               | 8008234          |
| Indonesia Dial-In #:             | 008800105397     |
| Ireland Dial-In #:               | 1800550668       |
| Israel Dial-In #:                | 1809458905       |
| Japan Dial-In #:                 | 00531160236      |
| Korea (South) Dial-In #:         | 00308140464      |
| Latvia Dial-In #:                | 8002033          |
| Lithuania Dial-In #:             | 880030145        |
| Luxembourg Dial-In #:            | 80024217         |
| Malaysia Dial-In #:              | 1800807300       |
| Mexico Dial-In #:                | 0018005148732    |
| Monaco Dial-In #:                | 80093175         |
| Netherlands Dial-In #:           | 08000235265      |
| New Zealand Dial-In #:           | 0800441382       |
| Norway Dial-In #:                | 80013184         |
| Poland Dial-In #:                | 008001114592     |
| Portugal Dial-In #:              | 800819682        |
| Puerto Rico Dial-In #:           | 18664031409      |
| Russian Federation Dial-In #:    | 81080022581012   |
| Saint Kitts and Nevis Dial-In #: | 18007449294      |
| South Africa Dial-In #:          | 0800994887       |
| Spain Dial-In #:                 | 900981518        |
| Sweden Dial-In #:                | 0200214725       |
| Switzerland Dial-In #:           | 0800563364       |
| Taiwan Dial-In #:                | 00801126664      |
| Thailand Dial-In #:              | 0018001562038905 |

Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

1.3 Approval of the Minutes  
DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the April 14, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

-----  
Brian Carpenter / IBM  
Michelle Cotton / ICANN (IANA)  
Leslie Daigle / VeriSign (IAB)  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / VeriSign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Dave Meyer / Cisco/University of Oregon (IAB Liaison)  
Jon Peterson / NeuStar, Inc.  
Joyce K. Reynolds / RFC Editor  
Barbara Roseman / ICANN (IANA)  
Mark Townsley / Cisco  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / Nokia  
Bert Wijnen / Lucent  
Alex Zinin / Alcatel

## REGRETS

-----

## MINUTES

### 1. Administrivia

#### 1.1 Approval of the Minutes

The minute of the March 31, 2005 Teleconference were approved.  
The Secretariat will place the minutes in the public archives.

#### 1.2 Documents Approved since the March 31, 2005 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-ccamp-gmpls-recovery-functional-04.txt (Proposed Standard)
- o draft-ietf-ipsec-rfc2401bis-06.txt (Proposed Standard)
- o draft-ietf-msec-mikey-dhmac-11.txt (Proposed Standard)
- o draft-ietf-vpim-routing-10.txt (Proposed Standard)
- o draft-ietf-vpim-vpimdir-11.txt (Proposed Standard)

##### 1.2.2 Document Actions

- o draft-ietf-ccamp-gmpls-recovery-analysis-05.txt (Informational)
- o draft-ietf-ccamp-gmpls-recovery-terminology-06.txt (Informational)
- o draft-ietf-sipping-e2m-sec-reqs-06.txt (Informational)
- o draft-malamud-subject-line-05.txt (Informational)
- o draft-shafranovich-mime-csv-05.txt (Informational)

#### 1.3 Review of Action Items

##### DONE:

- o David Kessens to suggest a change to the WG chartering procedures so that milestones are included in the public review.

##### DELETED:

- o Allison Mankin to talk to Geoff Huston about reopening his Quality of ServiceRFC.

##### IN PROGRESS:

- o Applications ADs to evaluate the situation with regards to MIME type

review,  
and see how we can ensure the review turnaround times specified in the  
MIME  
registration procedures.  
o Allison Mankin and Thomas Narten to compose a message for the IESG and  
IAB  
related to 3GPP's Release 6 publication deadline and expedited  
documents.

NEW:

o Allison Mankin to craft IESG response to the Roberts (ipv6-parameter)  
Request

for Assignments.

#### 1.4 Review of Projects

#### 2. Protocol Actions

##### 2.1 WG Submissions

##### 2.1.1 New Item

o draft-ietf-sipping-dialog-package-06.txt - 1 of 2

An INVITE Initiated Dialog Event Package for the Session Initiation  
Protocol

(SIP) (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve  
points  
raised by Scott Hollenbeck.\*

o draft-ietf-sip-history-info-06.txt - 2 of 2

An Extension to the Session Initiation Protocol for Request History  
Information (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve  
points  
raised by Ted Hardie, and Russ Housley.\*

##### 2.1.2 Returning Item

o draft-ietf-mpls-bundle-06.txt - 1 of 1

Link Bundling in MPLS Traffic Engineering (Proposed Standard)

Token: Alex Zinin

The document was approved by the IESG pending an RFC Editor's Note to be

prepared by Alex Zinin. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor's Note.

## 2.2 Individual Submissions

### 2.2.1 New Item

NONE

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

NONE

#### 3.1.2 Returning Item

NONE

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

##### 3.2.1 New Item

NONE

##### 3.2.2 Returning Item

NONE

#### 3.3 Individual Submissions Via RFC Editor

##### 3.3.1 New Item

NONE

##### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for IETF Approval

NONE

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

NONE

##### 4.2.2 Proposed for IETF Approval

NONE

#### 5. Working Group News We Can Use

#### 6. IAB News We Can Use

#### 7. Management Issues

##### 7.1 Expert Reviewer Appointment IESG/IANA (Allison Mankin)

The management issue was discussed. The IESG will review an Internet-Draft produced by Allison Mankin on the issue of expert reviewers appointed by the IESG for IANA.

##### 7.2 IESG Handling of General Request for Assignments (Roberts) (ipv6-parameter) (Allison Mankin and Michelle Cotton)

The management issue was discussed. The IESG has taken the token to prepare an appropriate response for Dr. Roberts.  
Action item: Allison Mankin to craft IESG response to the Roberts (ipv6-parameter) Request for Assignments.

##### 7.3 Request to Expedite draft-ietf-ips-fcmt-mib-06.txt, approved 14 March (Allison Mankin)

The management issue was discussed. The IESG approved the request to expedite publication of this document.

##### 7.4 Appointment of the IANA Experts Provided for in draft-ietf-geopriv-pidf-lo-03.txt (Ted Hardie)

The management issue was discussed. The IESG appointed Allison Mankin and

Jon Peterson as the primary and secondary Expert Reviewers respectively for the provided-by registry of draft-ietf-geopriv-pidf-lo-03.txt.

#### 7.5 Use of a "secretary" for IANA Expert Function (Ted Hardie)

The management issue was discussed. The IESG approved the use of the proposed mechanism. (Revised text of proposal coming from Ted Hardie.)

#### 7.6 WG Chartering/Re-chartering (David Kessens)

The management issue was discussed. David Kessens will revise the proposal. The Secretariat will place this management issue back on the agenda for the next IESG Teleconference (04/25/2005).

NOTE: The IESG decided that the complete WG charter, with the exception of names of the proposed WG Chair(s) should be included in the WG Review announcements.

-----  
\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG.

#### 1. Administrivia

##### 1.4 Review of Action Items

##### OUTSTANDING TASKS

Last updated: April 18, 2005

IP     o Applications ADs to evaluate the situation with regards to MIME  
type             review, and see how we can ensure the review turnaround times  
specified             in the MIME registration procedures.

IP     o Allison Mankin and Thomas Narten to compose a message for the  
IESG and             IAB related to 3GPP's Release 6 publication deadline and  
expedited  
documents.

IP     o Allison Mankin to craft IESG response to the Roberts (ipv6-  
parameter)  
Request for Assignments.

## 1. Administrivia

### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 5

o draft-ietf-idr-cease-subcode-05.txt

Subcodes for BGP Cease Notification Message (Proposed Standard)

Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-idr-cease-subcode-05.txt to Proposed Standard

-----

Evaluation for draft-ietf-idr-cease-subcode-05.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7767&rfc_flag=0)

[command=view\\_id&dTag=7767&rfc](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7767&rfc_flag=0)

[\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7767&rfc_flag=0)

Last Call to expire on: 2005-04-08

Please return the full line with your position.

|                  | Yes   | No-Objection | Discuss | Abstain |
|------------------|-------|--------------|---------|---------|
| Brian Carpenter  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner      | [ X ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie       | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman      | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens    | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin   | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson     | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley    | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Comment [2005-04-20]:

References should be split normative/informative.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

idr mailing list <idr@ietf.org>,

idr chair <skh@nexthop.com>,

idr chair <yakov@juniper.net>

Subject: Protocol Action: 'Subcodes for BGP Cease Notification  
Message' to Proposed Standard

The IESG has approved the following document:

- 'Subcodes for BGP Cease Notification Message '  
<draft-ietf-idr-cease-subcode-05.txt> as a Proposed Standard

This document is the product of the Inter-Domain Routing Working Group.

The IESG contact persons are Bill Fenner and Alex Zinin.

#### Technical Summary

This document defines several subcodes for the BGP Cease NOTIFICATION message that provide more information to aid network operators in correlating network events and diagnosing BGP peering issues.

#### Working Group Summary

The Working Group had consensus to publish this document as

Proposed Standard.

Protocol Quality

Bill Fenner reviewed this document for the IESG.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 5

- o draft-ietf-avt-rtp-vmr-wb-10.txt

Real-Time Transport Protocol (RTP) Payload Formats for the Variable-Rate

Multimode Wideband (VMR-WB) Audio Codec (Proposed Standard)

Note: PROTO Shepherd magnus.westerlund@ericsson.com

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-avt-rtp-vmr-wb-10.txt to Proposed Standard

-----

Evaluation for draft-ietf-avt-rtp-vmr-wb-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11856&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11856&rfc_flag=0)

Last Call to expire on: 2005-04-18

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

avt mailing list <avt@ietf.org>, avt chair <csp@cspertools.org>, avt  
chair

<magnus.westerlund@ericsson.com>

Subject: Protocol Action: 'Real-Time Transport Protocol (RTP) Payload  
and File Storage Formats for the Variable-Rate Multimode  
Wideband

(VMR-WB) Audio Codec' to Proposed Standard

The IESG has approved the following document:

- 'Real-Time Transport Protocol (RTP) Payload and File Storage Formats for the Variable-Rate Multimode Wideband (VMR-WB) Audio Codec ' <draft-ietf-avt-rtp-vmr-wb-02.txt> as a Proposed Standard

This document is the product of the Audio/Video Transport Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary:

This specification defines the RTP payload format for the 3GPP2 defined VMR-WB codec. The payload format supports a highly optimized conversational mode, and a octet-aligned mode with aggregation and support for frame interleaving to reduce the effect of packet loss when aggregating frames. The codec is able to support both 8kHz and 16kHz audio input sampling frequency, this results in the unusual solution to have an RTP timestamp rate that is not necessary the same as the sampling audio sampling rate. The specification also defines a media type to identify the codec and its packetization.

#### Working Group Summary:

The working group supported advancing this specification. The 3GP22 liaison informed the IETF that this document is a critical dependency.

#### Protocol Quality:

This payload format uses packetization methods that are well known and used by other RTP payload formats and are known to work. The RTP timestamp solution has been heavily discussed and consensus has been reached on the solution. The document has been reviewed both within the WG and externally. The shepherd for the IESG is Magnus Westerlund.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the

Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 3 of 5

o draft-ietf-lemonade-mms-mapping-02.txt

Mapping Between the Multimedia Messaging Service (MMS) and Internet Mail

(Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-lemonade-mms-mapping-02.txt to Proposed Standard

-----

Evaluation for draft-ietf-lemonade-mms-mapping-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12144&rfc_flag=0)

[command=view\\_id&dTag=12144&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12144&rfc_flag=0)

[c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12144&rfc_flag=0)

Last Call to expire on: 2005-02-17

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Discuss [2005-04-20]:

The security considerations say that S/MIME or PGP SHOULD be used. Yet, these are not discussed in the mapping. I assume that MMS does not have support for digital signature or end-to-end encryption. If I am correct, then the security considerations needs to discuss the consequences of S/MIME and PGP terminating at the place where mapping is performed.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
lemonade mailing list <lemonade@ietf.org>,  
lemonade chair <gparsons@nortelnetworks.com>,  
lemonade chair <eburger@brooktrout.com>

Subject: Protocol Action: 'Mapping Between the Multimedia Messaging Service (MMS) and Internet Mail' to Proposed Standard

The IESG has approved the following document:

- 'Mapping Between the Multimedia Messaging Service (MMS) and Internet Mail'  
<draft-ietf-lemonade-mms-mapping-02.txt> as a Proposed Standard

This document is the product of the Enhancements to Internet email to support diverse service environments Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

Technical Summary

The cellular telephone industry has defined a service known as the Multimedia Messaging Service (MMS). This service uses formats and protocols which are similar to, but differ in key ways from those used in Internet mail. This document specifies how to exchange messages between these two services, including mapping information elements as used in

## MMS

X-Mms-\* headers as well as delivery and disposition reports, to and from that used in ESMTP and Internet message headers.

## Working Group Summary

The LEMONADE working group came to consensus on the publication of this document. No issues were raised during IETF Last Call. This work was coordinated with 3GPP and 3GPP2 by the author and working group chairs.

## Protocol Quality

This work was reviewed for the IESG by Eric Burger and Glenn Parsons.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 5

- o draft-ietf-bridge-bridgemib-smiv2-10.txt  
Definitions of Managed Objects for Bridges (Proposed Standard)  
Token: Bert Wijnen

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-bridge-bridgemib-smiv2-10.txt to  
Proposed  
Standard  
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Evaluation for draft-ietf-bridge-bridgemib-smiv2-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7183&rfc  
\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7183&rfc_flag=0)

Last Call to expire on: 2005-03-11

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ X ] | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
bridge mailing list <bridge-mib@ietf.org>,  
bridge chair <dromasca@avaya.com>,  
bridge chair <dbharrington@comcast.net>

Subject: Protocol Action: 'Definitions of Managed Objects for Bridges'  
to Proposed Standard

The IESG has approved the following document:

- 'Definitions of Managed Objects for Bridges '  
<draft-ietf-bridge-bridgemib-smiv2-10.txt> as a Proposed Standard

This document is the product of the Bridge MIB Working Group.

The IESG contact persons are Bert Wijnen and David Kessens.

#### Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP based internets. In particular it defines objects for managing MAC bridges based on the IEEE 802.1D-1998 standard between Local Area Network (LAN) segments. Provisions are made for support of transparent bridging. Provisions are also made so that these objects apply to bridges connected by subnetworks other than LAN segments.

The MIB module presented in this memo is a translation of the BRIDGE-MIB defined in RFC 1493 to the SMIV2 syntax, updated slightly to accommodate higher speed links.

This document obsoletes RFC 1493

#### Working Group Summary

The Bridge MIB Working Group discussed this document and approved its content in a Working Group Last Call process. All issues raised during the WG Last Call have been resolved, maintained in the RT system, and a summary of the resolutions was published to the mailing list for comment. The WG recommends that this document be forwarded to the IESG for consideration as a Proposed Standard.

It is the intention of the WG that subsequent mib module work for IEEE 802.1 technologies will be done by the IEEE 802.1 WG. There are some concerns about the quality of work likely to result from SNMP non-experts, but the IETF is providing MIB Doctor review of their MIB module work during the transition.

#### Protocol Quality

The document was reviewed in detail by John Flick, and discussed by

several other MIB experts. A number of IEEE 802.1 WG members, including the vice chair, were involved in discussions. The discussions and clarifications resulted in editorial changes in the document.

The MIB module proposed by this document is the SMIV2 version of RFC 1493, which is implemented by many vendors in the industry. Backwards compatibility has been maintained, and most of the protocol data is identical between versions. It is expected that at least some of these vendors will implement the new version incarnated by this document, and other may choose to implement it in the future, because of the growing acceptance of the IEEE 802.1 protocol in the industry. It is our belief that the document is at the appropriate quality for consideration as proposed standard.

#### RFC Editor Note

none

#### IESG Note

none

#### IANA Note

none

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 5

- o draft-ietf-avt-rtp-amrwbplus-06.txt

RTP Payload Format for Extended AMR Wideband (AMR-WB+) Audio Codec (Proposed Standard)

Note: PROTO shepherd: Colin Perkins <csp@csperkins.org>

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-avt-rtp-amrwbplus-06.txt to Proposed  
Standard

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Evaluation for draft-ietf-avt-rtp-amrwbplus-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11905&rf  
c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11905&rfc_flag=0)

Last Call to expire on: 2005-04-18

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Discuss [2005-04-20]:  
Section 2 says this:

"The AMR-WB+ codec is an extension of the Adaptive Multi-Rate Wideband  
(AMR-WB)  
speech codec."

Shouldn't draft-ietf-avt-rtp-vmr-wb thus be listed as a normative

reference?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

avt mailing list <avt@ietf.org>,

avt chair <csp@csparks.org>,

avt chair <magnus.westerlund@ericsson.com>

Subject: Protocol Action: 'RTP Payload Format for Extended AMR  
Wideband (AMR-WB+) Audio Codec' to Proposed Standard

The IESG has approved the following document:

- 'RTP Payload Format for Extended AMR Wideband (AMR-WB+) Audio Codec '  
<draft-ietf-avt-rtp-amrwbplus-06.txt> as a Proposed Standard

This document is the product of the Audio/Video Transport Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

Technical summary:

This draft defines an RTP payload format for the new AMR-WB+ audio codec. The format is heavily derived from the existing RTP payload format for the AMR-WB audio codec (RFC 3267), with some simplifications and with support for the new features of the WB+ modes. The design choices are largely those that have been proven in previous payload formats. The only somewhat unusual feature is that the RTP clock rate is run at a different rate than the audio sampling rate, to allow for variable rate coding.

Working group summary:

There is strong consensus in the working group that this is an appropriate solution.

The specification is reported as a critical dependency by 3GPP's liaison to the IETF.

Protocol quality:

The protocol is being widely implemented by 3GPP companies.  
It has been extensively reviewed by Colin Perkins and Dave Singer;  
Colin is the shepherd of the document for the IETF.

#### IANA Note

(Insert IANA Note here)

#### 2.1.2 Returning Item

NONE

#### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a  
reasonable basis on which to build the salient part of the  
Internet  
infrastructure? If not, what changes would make it so?"

#### 2.2 Individual Submissions

##### 2.2.1 New Item - 1 of 5

- o draft-josefsson-dns-url-11.txt  
Domain Name System Uniform Resource Identifiers (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-josefsson-dns-url-11.txt to Proposed Standard

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Evaluation for draft-josefsson-dns-url-11.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=6381&rfc  
\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6381&rfc_flag=0)

Last Call to expire on: 2005-03-23

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Domain Name System Uniform Resource  
Identifiers' to \*\*\* YOU MUST SELECT AN INTENDED STATUS FOR THIS  
DRAFT

AND REGENERATE THIS TEXT \*\*\*

The IESG has approved the following document:

- 'Domain Name System Uniform Resource Identifiers '

<draft-josefsson-dns-url-11.txt> as \*\*\* YOU MUST SELECT AN INTENDED  
STATUS

FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Ted Hardie.

## Technical Summary

This document describes a URI scheme that allows an application to reference data stored in the DNS. It notes use cases for which this is needed. It also contrasts this with other possible DNS-related URI schemes, in particular one which mapped to the DNS protocol actions used to send queries with specific flags.

## Working Group Summary

This work is the product of an individual submitter. There was significant discussion of this scheme in its early review; in particular, the lack of an ability to specify protocol flags was deemed to be a serious deficit. Efforts to produce a single scheme which served that purpose as well as the purposes inherent in these use cases did not succeed. The result was a proposal to limit this scheme's applicability explicitly and to allow for, or even invite, the creation of a scheme specific to the protocol processing.

The one aspect of "protocol processing" left in this scheme is a specific designation of authority (that is, target server), which is required both for diagnostics and in cases of split DNS.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 5

- o draft-rescorla-dtls-04.txt

Datagram Transport Layer Security (Proposed Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-rescorla-dtls-04.txt to Proposed Standard

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Evaluation for draft-rescorla-dtls-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11289&rf  
c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11289&rfc_flag=0)

Last Call to expire on: 2005-03-25

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Datagram Transport Layer Security' to  
Proposed Standard

The IESG has approved the following document:

- 'Datagram Transport Layer Security '  
<draft-rescorla-dtls-01.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Steve Bellovin.

#### Technical Summary

This document specifies Version 1.0 of the Datagram Transport Layer Security (DTLS) protocol. The DTLS protocol provides communications privacy for datagram protocols. The protocol allows client/server applications to communicate in a way that is designed to prevent eavesdropping, tampering, or message forgery. The DTLS protocol is based on the TLS protocol and provides equivalent security guarantees. Datagram semantics of the underlying transport are preserved by the DTLS protocol.

#### Working Group Summary

This document was not generated by any IETF Working Group.

#### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 3 of 5

o draft-freed-media-type-reg-04.txt

Media Type Specifications and Registration Procedures (BCP)

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-freed-media-type-reg-04.txt to BCP

-----

Evaluation for draft-freed-media-type-reg-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12221&rf)

command=view\_id&dTag=12221&rf

c\_flag=0

Last Call to expire on: 2005-04-12

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |

Alex Zinin                    [   ]        [   ]        [   ]        [   ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
    RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Media Type Specifications and Registration  
          Procedures' to BCP

The IESG has approved the following document:

- 'Media Type Specifications and Registration Procedures '  
    <draft-freed-media-type-reg-04.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

#### Technical Summary

This document defines procedures for the specification and registration of media types for use in MIME and other Internet protocols. Combined with "Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures (draft-freed-mime-p4), this draft obsoletes RFC 2048 if approved.

#### Working Group Summary

This document is the work of individual submitters. It was subjected to MIME-types review, but it is has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document. Most IETF last call comments were also incorporated into the document, but there was a disagreement between the authors and at least one reviewer who suggested that the procedures in this document are not consistent with those specified in RFC 3555. The authors believe that any inconsistencies

should be addressed by updating RFC 3555.

## Protocol Quality

Ted Hardie and Scott Hollenbeck have reviewed this specification for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 4 of 5

- o draft-lee-ipsec-cipher-seed-01.txt

The SEED Cipher Algorithm and Its Use With IPsec (Proposed Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-lee-ipsec-cipher-seed-01.txt to Proposed Standard

-----

Evaluation for draft-lee-ipsec-cipher-seed-01.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11876&rf)

[command=view\\_id&dTag=11876&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11876&rf)

[c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11876&rf)

Last Call to expire on: 2005-04-15

Please return the full line with your position.

|                 | Yes | No-Objection | Discuss | Abstain |
|-----------------|-----|--------------|---------|---------|
| Brian Carpenter | [ ] | [ X ]        | [ ]     | [ ]     |
| Bill Fenner     | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie      | [ ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman     | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |       |     |     |
|--------------------|-------|-------|-----|-----|
| Scott Hollenbeck   | [ ]   | [ X ] | [ ] | [ ] |
| Russ Housley       | [ X ] | [ ]   | [ ] | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ] | [ ] |
| Allison Mankin     | [ ]   | [ ]   | [ ] | [ ] |
| Jon Peterson       | [ ]   | [ ]   | [ ] | [ ] |
| Mark Townsley      | [ ]   | [ ]   | [ ] | [ ] |
| Margaret Wasserman | [ ]   | [ ]   | [ ] | [ ] |
| Bert Wijnen        | [ ]   | [ ]   | [ ] | [ ] |
| Alex Zinin         | [ ]   | [ ]   | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-04-18]:

Small note from Spencer Dawkins:

This document does still contain two fairly important references to web pages in the body of the draft:

- [http://www.kisa.or.kr/seed/seed\\_eng.html](http://www.kisa.or.kr/seed/seed_eng.html) and
- [http://www.kisa.or.kr/seed/seed\\_eng.html](http://www.kisa.or.kr/seed/seed_eng.html),

plus several more in the references section.

Assuming that

<ftp://ftp.rfc-editor.org/in-notes/rfc-editor/instructions2authors.txt> is current, today's instructions advise against including URLs that can change in

RFCs that can't. The RFC Editor would likely provide guidance, though.

Scott Hollenbeck:

Comment [2005-04-20]:

Please include a normative reference to RFC 2119 in section 1.2.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Protocol Action: 'The SEED Cipher Algorithm and Its Use With  
IPSec' to Proposed Standard

The IESG has approved the following document:

- 'The SEED Cipher Algorithm and Its Use With IPSec '  
<draft-lee-ipsec-cipher-seed-00.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

#### Technical Summary

This protocol is about the use of the SEED block cipher algorithm in Cipher Block Chaining Mode, with an explicit IV, as a confidentiality mechanism within the context of the IPSec Encapsulating Security Payload (ESP).

#### Working Group Summary

This is not a WG document. Although some widely used block cipher algorithms are already used in IPSec ESP, this SEED offers another algorithm choice. This document specifies the conventions for the use of SEED with IPSec ESP.

#### Protocol Quality

SEED is a national industrial association standard (TTA K0-12.0004, 1999) in Korea. It will also be an ISO/IEC standard soon.

#### RFC Editor Note

Please change "IPSec" to "IPsec" throughout the document.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a

reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.2 Individual Submissions

### 2.2.1 New Item - 5 of 5

o draft-hoffman-telnet-uri-04.txt

The telnet URI Scheme (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-hoffman-telnet-uri-04.txt to Proposed Standard

-----

Evaluation for draft-hoffman-telnet-uri-04.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12233&rf)

[command=view\\_id&dTag=12233&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12233&rf)

[c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12233&rf)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The telnet URI Scheme' to Proposed Standard

The IESG has approved the following document:

- 'The telnet URI Scheme '  
    <draft-hoffman-telnet-uri-04.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document specifies the telnet Uniform Resource Identifier (URI) scheme that was originally specified in RFC 1738. The purpose of this document is to allow RFC 1738 to be made obsolete while keeping the information about the scheme on the standards track and appropriately referenced within the IANA registry.

#### Working Group Summary

This document is the product of an individual submitter, but the strategy of splitting RFC 1738's registrations was discussed by the URI mailing list.

The document did receive comments during the IETF last call and an RFC Editor's note has been added in response to one issue raised.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

Please add a normative reference to:

[STD0008] Postel, J., and Reynolds, J., "Telnet Protocol

Specification",  
STD 0008, May 1983.

IESG Note

(Insert IESG Note here)

IANA Note

Please update the registration of the Telnet scheme to point to this document once it has been published.

2.2.2 Returning Item  
NONE

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 1 of 3

- o draft-ietf-manet-dsr-10.txt  
The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks (DSR) (Experimental)  
Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-manet-dsr-10.txt to Experimental RFC  
-----

Evaluation for draft-ietf-manet-dsr-10.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=3291&rfc  
\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=3291&rfc_flag=0)

Last Call to expire on: 2005-04-08

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ X ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Comment [2005-04-20]:

References should definitely be split normative/informative.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

manet mailing list <manet@ietf.org>, manet chair

<macker@itd.nrl.navy.mil>,

manet chair <corson@flarion.com>

Subject: Document Action: 'The Dynamic Source Routing Protocol for  
Mobile Ad Hoc Networks (DSR)' to Experimental RFC

The IESG has approved the following document:

- 'The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks (DSR)  
,  
    <draft-ietf-manet-dsr-10.txt> as an Experimental RFC

This document is the product of the Mobile Ad-hoc Networks Working Group.

The IESG contact persons are Bill Fenner and Alex Zinin.

#### Technical Summary

The Dynamic Source Routing protocol (DSR) is a routing protocol designed specifically for use in multi-hop wireless ad hoc networks of mobile nodes. DSR allows the network to be completely self-organizing and self-configuring, without the need for any existing network infrastructure or administration.

#### Working Group Summary

The Working Group had consensus to publish the four existing protocols  
as Experimental, as the first step down the path towards DYM0.

#### Protocol Quality

Bill Fenner reviewed the specification for the IESG.

#### IANA Note

Please reassign IP Protocol 48 to DSR. David Johnson (the main author of DSR) was able to confirm that this protocol number was originally assigned for a proposal for Mobile IP (Mobile Host Routing Protocol) that was never deployed. Under RFC 2780 section 4.3, this is the IESG Approval of this assignment.

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

### 3.1.1 New Item - 2 of 3

- o draft-ietf-idr-rfc1863-historic-00.txt  
Reclassification of RFC 1863 to Historic (Informational)  
Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-idr-rfc1863-historic-00.txt to Informational RFC  
-----

Evaluation for draft-ietf-idr-rfc1863-historic-00.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11878&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11878&rfc_flag=0)

Last Call to expire on: 2005-04-08

Please return the full line with your position.

|                    | Yes | No-Objection | Discuss | Abstain |
|--------------------|-----|--------------|---------|---------|
| Brian Carpenter    | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ] | [ ]          | [ X ]   | [ ]     |
| Ted Hardie         | [ ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ] | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ] | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ] | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ] | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ] | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ] | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====  
Bill Fenner:

Discuss [2005-04-19]:

I want to discuss Tony Hansen's Last Call comment, suggesting that we not publish documents like this until newtrk figures out how this should happen:

From: Tony Hansen <tony@att.com>

Subject: Re: Last Call: 'Reclassification of RFC 1863 to Historic' to Informational RFC

Date: Fri, 25 Mar 2005 12:34:13 -0500

To: iesg@ietf.org

I've argued before against the publication of RFCs such as this, and will argue once again.

This I-D does not need to be published. Yes, RFC 1863 may need to be reclassified as historic, but we don't need a new RFC to tell us that.

Part of the newtrack work is to handle situations like this. I'd suggest a moratorium on publishing ANY RFCs such as this one until the newtrack work finishes in this area.

Tony Hansen  
tony@att.com

Scott Hollenbeck:

Comment [2005-04-20]:

I can understand where Tony is coming from, but I think there's value in having a record of the decision to reclassify an RFC. Is some other means of recordingsuch decisions being considered?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

idr mailing list <idr@ietf.org>,

idr chair <skh@nexthop.com>,  
idr chair <yakov@juniper.net>  
Subject: Document Action: 'Reclassification of RFC 1863 to Historic'  
to Informational RFC

The IESG has approved the following document:

- 'Reclassification of RFC 1863 to Historic '  
<draft-ietf-idr-rfc1863-historic-00.txt> as an Informational RFC

This document is the product of the Inter-Domain Routing Working Group.

The IESG contact persons are Bill Fenner and Alex Zinin.

#### Technical Summary

This memo reclassifies RFC 1863, A BGP/IDRP Route Server alternative to a full mesh routing, to Historic status.

Implementations of RFC 1863 route servers do not exist, and are not used as an alternative to full mesh routing.

#### Working Group Summary

The Working Group had consensus to reclassify RFC 1863.

#### Protocol Quality

Bill Fenner reviewed this document for the IESG.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 3 of 3

- o draft-ietf-lemonade-notify-s2s-00.txt  
Server To Server Notification Protocol Requirements (Informational)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-lemonade-notify-s2s-00.txt to Informational RFC -----

Evaluation for draft-ietf-lemonade-notify-s2s-00.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12193&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12193&rfc_flag=0)

Last Call to expire on: 2005-02-17

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Discuss [2005-04-20]:

We usually publish requirements documents as Informational RFCs. Why does this one need to be on standards track?

In section 4.3.2, the document says:

>

> The notification protocol MUST supply manners to eliminate all the  
> threats specified in 2.10.1 (e.g. authentication, encryption).

>

There is no section 2.10.1. Please point to the proper section, which I assume is section 4.3.1.

Comment [2005-04-20]:

The document contains non-ASCII characters.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
lemonade mailing list <lemonade@ietf.org>,  
lemonade chair <gparsons@nortelnetworks.com>,  
lemonade chair <eburger@brooktrout.com>

Subject: Protocol Action: 'Server To Server Notification Protocol  
Requirements' to Proposed Standard

The IESG has approved the following document:

- 'Server To Server Notification Protocol Requirements '  
<draft-ietf-lemonade-notify-s2s-00.txt> as a Proposed Standard

This document is the product of the Enhancements to Internet email to support  
diverse service environments Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

#### Technical Summary

This memo puts forward a set of requirements for a protocol in which a messaging system submit alerts which describe potential notification events regarding an end user mailbox status. These alerts are sent to a notification service, which may, in turn, generate an end user alert notification. This is intended to allow a messaging system to remain unaware of a user's changing notification preferences.

#### Working Group Summary

The LEMONADE working group came to consensus that this document should be published.

#### Protocol Quality

This document was reviewed for the IESG by Eric Burger and Glenn Parsons.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?  
If not, what changes would make it so?"

### 3.1.2 Returning Item - 1 of 1

- o draft-ietf-multi6-multihoming-threats-03.txt  
Threats relating to IPv6 multihoming solutions (Informational)  
Token: David Kessens

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-multi6-multihoming-threats-03.txt to  
Informational RFC

-----

Evaluation for draft-ietf-multi6-multihoming-threats-03.txt can be found  
at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11954&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11954&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ X ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ . ]   | [ ]     |
| David Kessens      | [ X ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ X ]   | [ ]     |
| Bert Wijnen        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

Harald Alvestrand [ ] [ X ] [ ] [ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Comment [2004-11-29]:

[also emailed to try and get a response before the telechat]

First, this was a well written explanation of the multihoming threats. I appreciate the thoroughness of this work.

I do have one comment; this is not a discuss but I believe the document would be improved by fixing a possible error.

On page 8:

together with channel bindings allow protocols which in themselves are vulnerable to MiTM-attacks to operate with a high level of confidentiality in the security of the identification of the peer. A

typical example is the Remote Desktop Protocol (RDP) which when used

with opportunistic IPsec works well if channel bindings are available. Channel bindings provide a link between the IP-layer

identification and the application protocol identification.

Is RDP actually the example you intended to use? If so, are we talking about Microsoft's RDP? To the best of my knowledge, RDP doesn't actually have any way of authenticating the user; the login sequence is carried out within the RDP connection as a normal application exchange. Also, I believe RDP provides its own (weak) encryption and I don't think is typically used with IPsec. Perhaps a better example is RDDP, the Remote Direct Data Placement Protocol.

Russ Housley:

Comment [2004-12-01]:

Overall a very nice job.

In the Abstract:

s/inherent in the problem itself/inherent in all IPv6 multihoming solutions/

Allison Mankin:

Comment [2005-03-30]:

The revision addressed my Discuss. My Discuss was a bit inaccurate - it stated

a wrong section number - it was about 4.3, not 4.4, and about a DoS proposal.

The author much improved the text on revisiting.

Overall comment remains: a very thoughtful document

Margaret Wasserman:

Discuss [2004-12-01]:

There is an ongoing "mini" WG LC (~3 U.S. business days) ongoing on this document, and Iljitsch van Beijnum has made some comments.

Essentially, Iljitsch has pointed out that the multihoming model considered in

the threats document (full ID/Loc split) doesn't match the ULID-based mechanism

(pool of locators, one used as ID for a given session) that we are currently

pursuing as the technical solution. The new model might have impact on the

threats, particularly on the discussion of redirection on pages 41 and 42.

I'm not sure if this is a blocking issue or not, but I think we should wait for

the discussion on the multi6 mailing list to conclude before we approve the

document for publication.

Bert Wijnen:

Comment [2004-12-02]:

\*\*\* matchref -- match citations and references.

Input file: draft-ietf-multi6-multihoming-threats-02.txt

!! Missing citation for Informative reference:

P026 L021: [ADDR-ARCH] S. Deering, R. Hinden, Editors, "IP Version 6

!! Missing citation for Informative reference:

P026 L030: [IPv6-AUTH] R. Atkinson. "IP Authentication Header", RFC

2402,

!! Missing citation for Informative reference:

P026 L033: [IPv6-ESP] R. Atkinson. "IP Encapsulating Security Payload (ESP)",

!! Missing citation for Informative reference:

P026 L027: [IPv6-SA] R. Atkinson. "Security Architecture for the Internet

!! Missing citation for Informative reference:

P026 L024: [IPv6] S. Deering, R. Hinden, Editors, "Internet Protocol, Version

!! Missing citation for Informative reference:

P027 L016: [MAST] D. Crocker, "MULTIPLE ADDRESS SERVICE FOR TRANSPORT (MAST):

-----

Comments from AAA\_doctor review (Jari):

Overall:

This an excellent and well written document. I had no major problems with it. However, a few smaller nits or questions were found here and there. Nothing worth a DISCUSS, but you could pass the comments along.

Substantial:

> 2) Does multicast make matters worse? It usually does.

Not sure if the multicast angle relates to a specific solution like the start of the list implies or if its a more general issue with multihoming. I suspect the latter. Suggestion: if you haven't dealt with multicast in this document, say so.

> Hence there is a different way to describe the same thing. If the  
> peer can somehow prove that it is the owner of the identifier, then  
> the peer can control the locators that are used with the  
identifier.

> This way to describe the problem is used in [OWNER].

Hmm... I think there's a step here that seems a bit vague (may become clear when you read the rest of the document, but not yet here). This assumes that all communications are bound to the identifier, not the locator. Perhaps you want to say this explicitly.

- > in the routing system
- > delivering packets to that address. Applications that use mutually
- > authenticating security mechanisms, such as IPSEC or TLS, have the
- > ability to bind an address or FQDN to cryptographic keying material.

Nit: TLS most often does not do mutual authentication. Suggestion: s/use mutually authenticating security mechanisms/use security mechanisms/

- > The third, and final concern, is that if an attacker only need a few
- > packets to convince one host to flood a third party, then it wouldn't
- > be hard for the attacker to convince lots of hosts to flood the same
- > third party. Thus this could be used for Distributed
- > Denial-of-Service attacks.

Perhaps you want to explicitly say something about the amplification here. I believe amplification is the key issue here, and contrast this to the 1:1 amplification in the spoofed TCP SYN attack.

- > For instance, in the case of TCP it
- > would help if TCP slow-start was triggered when the destination
- > locator changes. (Folks might argue that, separately from security,
- > this would be the correct action for congestion control since TCP
- > might not have any congestion-relation information about the new path
- > implied by the new locator).

I'm not completely convinced that it would help. Seems like TCP slow start still involves a number of messages when the sender retransmits after not getting a response. Depending on the number of retransmits vs. the number of packets needed to get the attack going, this might or might not be useful. The key is again amplification. How many packets you put in as an attacker, and how many does the victim get? Suggestion: s/it would help if/a partial defense would be given if/

- > Discussion: Perhaps the key issue is not about the granularity,

> but about the lifetime of the state that is created? In a  
> transport-layer approach the multihoming state would presumably  
be  
> destroyed when the transport state is deleted as part of closing  
> the connection. But an IP-layer approach would have to rely on  
> some timeout or garbage collection mechanisms perhaps combined  
> with some new explicit signaling to remove the multihoming  
state.  
> The coupling between the connection state and multihoming state  
in  
> the transport-layer approach might make it more expensive for  
the  
> attacker, since it needs to keep the connections open. Is this  
> the case?

I think there's both a space (granularity) and time (lifetime)  
component in the results of either legitimate or fraudulent  
multihoming requests. Clearly there needs to be some limits  
on the effect of the requests.

> There is a potential chicken-and-egg problem here, because  
> potentially one would want to avoid doing work or creating state  
> until the peer has been verified, but verification will probably  
need  
> some state and some work to be done.

Stateless design in verification protocols is well known today,  
so I don't think is much of an issue. Suggestion: Add "Avoiding  
any work does not seem possible, but good protocol design can often  
delay state creation until verification has been completed."

Editorial:

> of the endpoints) and I think those would allow blocking as  
well.

Maybe s/I think//

> Given that there isn't address privacy in site multihoming setups

- English is not my native language but I tend to  
replace "isn't"=>"is not" etc. (Multiple places  
and multiple cases with don't/can't etc.)

> However, when a \*host\* is multi-homed to several ISP, e.g. through  
a

s/\*host\* is/host (not site) is directly/

- > Such an attack might be against the resources of a particular host
- > i.e., C in the example above, or it might be against the network
- > infrastructure towards a particular IP address prefix, by overloading
- > the routers or links even though there is no host at the address
- > being targeted.

Move this paragraph to the end of Section 4.3, otherwise the "there are a few aspects" ... "the first is ..." are hard to understand when this paragraph is in the middle.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
multi6 mailing list <multi6@ops.ietf.org>,  
multi6 chair <brc@zurich.ibm.com>,  
multi6 chair <kurtis@kurtis.pp.se>

Subject: Document Action: 'Threats relating to IPv6 multihoming solutions' to Informational RFC

The IESG has approved the following document:

- 'Threats relating to IPv6 multihoming solutions '  
<draft-ietf-multi6-multihoming-threats-02.txt> as an Informational RFC

This document is the product of the Site Multihoming in IPv6 Working Group.

The IESG contact persons are David Kessens and Bert Wijnen.

#### Technical Summary

This document lists security threats related to IPv6 multihoming. Multihoming can introduce new opportunities to redirect packets to different, unintended IP addresses.

The intent is to look at how IPv6 multihoming solutions might make the Internet less secure than the current Internet, without studying any proposed solution but instead looking at threats that are inherent in the problem itself. The threats in this document build upon the threats discovered and discussed as part of the Mobile IPv6 work.

#### Working Group Summary

This document is a product of the multi6 working group.

#### Protocol Quality

David Kessens reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 1 of 2

- o draft-dtessman-urn-namespace-federated-content-01.txt

URN Namespace for Federated Content (Informational)

Note: RFC Editor note: Rules for Lexical Equivalence: In addition

to the rules defined in RFC 2141 [4], normalize the. case of the

ProviderId before comparison. Rules for Lexical Equivalence: In

addition to the rules defined in RFC 2141 [4], normalize the<br>case of the ProviderId to lower case before comparison.

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-dtessman-urn-namespace-federated-  
content-01.txt to  
Informational RFC  
-----

Evaluation for draft-dtessman-urn-namespace-federated-content-01.txt can  
be  
found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12740&rf  
c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12740&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Discuss [2005-04-20]:

Minor ABNF error in section 3:

hex           = DIGIT | %x41-46 | %x61-66

should be:

hex           = DIGIT / %x41-46 / %x61-66

Comment [2005-04-20]:

Please cite RFC 2119 in section 2.

References should be split normative/informative.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'URN Namespace for Federated Content' to  
Informational RFC

The IESG has approved the following document:

- 'URN Namespace for Federated Content '

<draft-dtessman-urn-namespace-federated-content-01.txt> as an  
Informational  
RFC

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

This is a request for a URN NID.

Working Group Summary

This request came from an individual submitter.

Protocol Quality

This request was reviewed by the URN-NID mailing list.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 2 of 2

- o draft-dolan-urn-isn-00.txt  
ISN URN Definition (Informational)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-dolan-urn-isn-00.txt to Informational RFC

-----

Evaluation for draft-dolan-urn-isn-00.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13020&rf)

[command=view\\_id&dTag=13020&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13020&rf)

[c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13020&rf)

Last Call to expire on:

Please return the full line with your position.

|                 | Yes | No-Objection | Discuss | Abstain |
|-----------------|-----|--------------|---------|---------|
| Brian Carpenter | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner     | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |     |       |     |
|--------------------|-------|-----|-------|-----|
| Ted Hardie         | [ X ] | [ ] | [ ]   | [ ] |
| Sam Hartman        | [ ]   | [ ] | [ ]   | [ ] |
| Scott Hollenbeck   | [ ]   | [ ] | [ X ] | [ ] |
| Russ Housley       | [ ]   | [ ] | [ X ] | [ ] |
| David Kessens      | [ ]   | [ ] | [ ]   | [ ] |
| Allison Mankin     | [ ]   | [ ] | [ ]   | [ ] |
| Jon Peterson       | [ ]   | [ ] | [ ]   | [ ] |
| Mark Townsley      | [ ]   | [ ] | [ ]   | [ ] |
| Margaret Wasserman | [ ]   | [ ] | [ ]   | [ ] |
| Bert Wijnen        | [ ]   | [ ] | [ ]   | [ ] |
| Alex Zinin         | [ ]   | [ ] | [ ]   | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Discuss [2005-04-20]:

The ABNF in section 2 is invalid, I think. The tokens should not be enclosed in "<" and ">" characters. Assignment is done with "=", not "::~=". I think the "?" characters are the ones described in Russ' discuss. Then again, there's no reference cited for ABNF, so which syntax is this supposed to be using? I noticed that RFC 2141 seems to use the same format, so maybe an appropriate reference and a small fix is all that's needed.

The last sentence of section 6 appears to have been truncated.

Comment [2005-04-20]:

Last sentence of the "Conventions used in this document" section: "as described in RFC-2119 0". Extra " 0" at the end.

It's probably not a good idea to include a citation in the abstract.

Russ Housley:

Discuss [2005-04-19]:

There are non-ASCII characters in the ABNF.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'ISAN URN Definition' to Informational RFC

The IESG has approved the following document:

- 'ISAN URN Definition '  
<draft-dolan-urn-isan-00.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

URN NID request.

Working Group Summary

Not the product of a working group, but reviewed by the URN-NID list.

Protocol Quality

Reviewed for the IETF by the URN-NID list.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

### 3.2.2 Returning Item

NONE

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.2 Proposed for Approval

NONE

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

o IPv6 Operations (v6ops) - 1 of 1

Token: David Kessens

### IPv6 Operations (v6ops)

=====

Last Modified: 2005-4-18

Current Status: Active Working Group

### Description of Working Group:

The global deployment of IPv6 is underway, creating an IPv4/IPv6 Internet consisting of IPv4-only, IPv6-only and IPv4/IPv6 networks and nodes. This deployment must be properly handled to avoid the division of the Internet into separate IPv4 and IPv6 networks while ensuring addressing and connectivity for all IPv4 and IPv6 nodes.

The IPv6 Operations Working Group (v6ops) develops guidelines for the operation of a shared IPv4/IPv6 Internet and provides operational guidance on how to deploy IPv6 into existing IPv4-only networks, as well as into new network installations.

The main focus of the v6ops WG is to look at the immediate deployment issues; more advanced stages of deployment and transition are a lower priority.

The goals of the v6ops working group are:

1. Solicit input from network operators and users to identify operational issues with the IPv4/IPv6 Internet, and determine solutions or workarounds to those issues. These issues will be documented in Informational or BCP RFCs, or in Internet-Drafts.

This work should primarily be conducted by those areas and WGs which are responsible and best fit to analyze these problems, but v6ops may also cooperate in focusing such work.

2. Publish Informational or BCP RFCs that identify potential security risks in the operation of shared IPv4/IPv6 networks, and document operational practices to eliminate or mitigate those risks.

This work will be done in cooperation with the Security area and other relevant areas or working groups.

3. As a particular instance of (1) and (2), provide feedback to the IPv6 WG regarding portions of the IPv6 specifications that cause, or are likely to cause, operational or security concerns, and work with the IPv6 WG to resolve those concerns. This feedback will be published in Internet-Drafts or RFCs.

4. Publish Informational or BCP RFCs that identify and analyze solutions for deploying IPv6 within common network environments, such as ISP Networks, Enterprise Networks, Unmanaged Networks (Home/Small Office), and Cellular Networks.

These documents should serve as useful guides to network operators and users on possible ways how to deploy IPv6 within their existing IPv4 networks, as well as in new network installations.

These documents should not be normative guides for IPv6 deployment, and the primary intent is not capture the needs for new solutions,

but rather describe which approaches work and which do not.

IPv6 operational and deployment issues with specific protocols or technologies (such as Applications, Transport Protocols, Routing Protocols, DNS or Sub-IP Protocols) are the primary responsibility of the groups or areas responsible for those protocols or technologies. However, the v6ops WG may provide input to those areas/groups, as needed, and cooperate with those areas/groups in reviewing solutions to IPv6 operational and deployment problems.

Future work items within this scope will be adopted by the WG only if there is a substantial expression of interest from the community and if the work clearly does not fit elsewhere in the IETF.

There must be a continuous expression of interest for the WG to work on a particular work item. If there is no longer sufficient interest in the WG in a work item, the item may be removed from the list of WG items.

Specifying any protocols or transition mechanisms is out of scope of the WG.

#### Goals and Milestones:

Done Adopt IPv6 deployment using VLANs to IESG for Info  
Done Adopt ISP IPv6 Deployment Scenarios in Broadband Access Networks as WG item  
Mar 05 Adopt document describing how to use IPsec with draft-ietf-v6ops-mech-v2 as WG item  
Mar 05 Adopt IPv6 Security Overview as WG item  
Mar 05 Adopt IPv6 Network Architecture Protection as WG item  
Apr 05 Submit document describing issues with NAT-PT to IESG for Info  
Apr 05 Submit IPv6 deployment using VLANs to IESG for Info  
Apr 05 Ensure draft-ietf-v6ops-v6onbydefault keeps going forward for RFC publication  
May 05 Submit document on IPsec w/ draft-ietf-v6ops-mech-v2 to IESG for Info  
Jun 05 Submit Enterprise Deployment Analysis to IESG for Info  
Jun 05 Submit IPv6 Network Architecture Protection to IESG for Info  
Jul 05 Submit IPv6 Security Overview to IESG for Info  
Jul 05 Submit ISP IPv6 Deployment Scenarios in Broadband Access Networks to IESG for Info

4. Working Group Actions  
4.2 WG Rechartering  
4.2.2 Proposed for Approval

NONE

5. Working Group News We Can Use

Brian Carpenter  
Bill Fenner  
Ted Hardie  
Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Jon Peterson  
Mark Townsley  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

6. IAB News We Can Use

7. Management Issues  
7.1 WG Chartering/Re-Charterine (David Kessens)

7.2 Should the Projects and Projects Page be public? (Allison Mankin)

The IESG does a lot of work with community implications, which is not clearly reported until it ends, if then. This is partly logistical habit, because if one reviews the project page, the details there do not appear to be sensitive; the projects reflect positive energy (though it would be better if they had recent progress updates, as Jon has been requesting).

What about a proposal to make this material publicly visible? We obviously have to avoid any personnel or other sensitive material that we might be tempted to place there; we need to discuss what this would be. Please review what's there to see if you think this proposal makes sense.

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id RAA03153  
for <iesg-archive@lists.ietf.org>; Fri, 22 Apr 2005 17:16:20 -0400  
(EDT)  
Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1DP5U1-0005az-Mo; Fri, 22 Apr 2005 17:14:41 -0400  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1DP5Tz-0005ar-Dt  
for iesg@megatron.ietf.org; Fri, 22 Apr 2005 17:14:39 -0400  
Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id RAA03086;  
Fri, 22 Apr 2005 17:14:37 -0400 (EDT)  
Message-Id: <200504222114.RAA03086@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org  
Date: Fri, 22 Apr 2005 17:14:36 -0400  
Cc: bfuller@foretec.com, amyk@foretec.com  
Subject: FINAL Agenda and Package for MONDAY April 25, 2005 Telechat  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the April 25, 2005 IESG Teleconference

This agenda was generated at 16:18:50 EDT, April 22, 2005

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-idr-cease-subcode-05.txt  
Subcodes for BGP Cease Notification Message (Proposed Standard) - 1 of 5  
Token: Bill Fenner
- o draft-ietf-avt-rtp-vmr-wb-10.txt  
Real-Time Transport Protocol (RTP) Payload Formats for the Variable-Rate Multimode Wideband (VMR-WB) Audio Codec (Proposed Standard) - 2 of 5  
Note: PROTO Shepherd magnus.westerlund@ericsson.com  
Token: Allison Mankin
- o draft-ietf-lemonade-mms-mapping-03.txt  
Mapping Between the Multimedia Messaging Service (MMS) and Internet Mail (Proposed Standard) - 3 of 5  
Token: Ted Hardie
- o draft-ietf-bridge-bridgemib-smiv2-10.txt  
Definitions of Managed Objects for Bridges (Proposed Standard) - 4 of 5  
Token: Bert Wijnen
- o draft-ietf-avt-rtp-amrwbplus-06.txt  
RTP Payload Format for Extended AMR Wideband (AMR-WB+) Audio Codec (Proposed Standard) - 5 of 5  
Note: PROTO shepherd: Colin Perkins <csp@csp Perkins.org>;  
Token: Allison Mankin

#### 2.1.2 Returning Item

NONE

### 2.2 Individual Submissions

#### 2.2.1 New Item

- o draft-josefsson-dns-url-11.txt  
Domain Name System Uniform Resource Identifiers (Proposed Standard) - 1 of 5  
Token: Ted Hardie

- o draft-rescorla-dtls-04.txt  
Datagram Transport Layer Security (Proposed Standard) - 2 of 5  
Token: Russ Housley
- o draft-freed-media-type-reg-04.txt  
Media Type Specifications and Registration Procedures (BCP) - 3 of 5  
Token: Scott Hollenbeck
- o draft-lee-ipsec-cipher-seed-01.txt  
The SEED Cipher Algorithm and Its Use With IPSec (Proposed Standard)  
- 4 of 5  
Token: Russ Housley
- o draft-hoffman-telnet-uri-04.txt  
The telnet URI Scheme (Proposed Standard) - 5 of 5  
Token: Ted Hardie

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-manet-dsr-10.txt  
The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks (DSR) (Experimental) - 1 of 3  
Token: Bill Fenner
- o draft-ietf-idr-rfc1863-historic-00.txt  
Reclassification of RFC 1863 to Historic (Informational) - 2 of 3  
Token: Bill Fenner
- o draft-ietf-lemonade-notify-s2s-00.txt  
Server To Server Notification Protocol Requirements (Informational)  
- 3 of 3  
Token: Ted Hardie

#### 3.1.2 Returning Item

- o draft-ietf-multi6-multihoming-threats-03.txt  
Threats relating to IPv6 multihoming solutions (Informational) - 1 of 1  
Token: David Kessens

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.2.1 New Item

- o draft-dtessman-urn-namespace-federated-content-02.txt  
URN Namespace for Federated Content (Informational) - 1 of 2  
Note: RFC Editor note: Rules for Lexical Equivalence: √. √. √. In addition to the rules defined in RFC 2141 [4], normalize the. √. √. √. case of the ProviderId before comparison. Rules for Lexical Equivalence: √. √. √. In addition to the rules defined in RFC 2141 [4], normalize the. √. √. √. case of the ProviderId to lower case before comparison.  
Token: Ted Hardie
- o draft-dolan-urn-isn-00.txt  
ISAN URN Definition (Informational) - 2 of 2  
Token: Ted Hardie

#### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.1 New Item

NONE

#### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for Approval

NONE

## 4.2 WG Rechartering

### 4.2.1 Under evaluation for IETF Review

- o IPv6 Operations (v6ops) - 1 of 2

Token: David Kessens

- o IP over Resilient Packet Rings (iporpr) - 2 of 2

Token: Mark Townsley

### 4.2.2 Proposed for Approval

NONE

## 5. Agenda Working Group News

## 6. IAB News We can use

## 7. Management Issue

### 7.1 WG Chartering/Re-Chartering (David Kessens)

### 7.2 IESG Projects (Allison Mankin)

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## INTERNET ENGINEERING STEERING GROUP (IESG) Agenda for the April 25, 2005 IESG Teleconference

This package was generated at 16:18:50 EDT, April 22, 2005.

## 1. Administrivia

### 1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Monday, April 25, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this

teleconference, then please provide the telephone number where you can be reached.

o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Brian Carpenter---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in  
David Kessens---Will call in  
Allison Mankin---Will call in  
Dave Meyer---Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Barbara Roseman---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain

international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

| Country                       | Number           |
|-------------------------------|------------------|
| Argentina Dial-In #:          | 08006660275      |
| Australia Dial-In #:          | 1800004017       |
| Austria Dial-In #:            | 0800293225       |
| Bahamas Dial-In #:            | 18003890371      |
| Belgium Dial-In #:            | 080070189        |
| Brazil Dial-In #:             | 08008916634      |
| China Dial-In #:              | 108001400446     |
| Colombia Dial-In #:           | 018009198732     |
| Czech Republic Dial-In #:     | 800142528        |
| Denmark Dial-In #:            | 80880221         |
| Dominican Republic Dial-In #: | 18887514594      |
| Finland Dial-In #:            | 0800112488       |
| France Dial-In #:             | 0800917496       |
| Germany Dial-In #:            | 08001818365      |
| Greece Dial-In #:             | 0080016122038903 |
| Hong Kong Dial-In #:          | 800901760        |
| Hungary Dial-In #:            | 0680015661       |
| Iceland Dial-In #:            | 8008234          |
| Indonesia Dial-In #:          | 008800105397     |
| Ireland Dial-In #:            | 1800550668       |
| Israel Dial-In #:             | 1809458905       |
| Japan Dial-In #:              | 00531160236      |
| Korea (South) Dial-In #:      | 00308140464      |
| Latvia Dial-In #:             | 8002033          |
| Lithuania Dial-In #:          | 880030145        |
| Luxembourg Dial-In #:         | 80024217         |
| Malaysia Dial-In #:           | 1800807300       |
| Mexico Dial-In #:             | 0018005148732    |
| Monaco Dial-In #:             | 80093175         |
| Netherlands Dial-In #:        | 08000235265      |
| New Zealand Dial-In #:        | 0800441382       |
| Norway Dial-In #:             | 80013184         |

Poland Dial-In #: 008001114592  
Portugal Dial-In #: 800819682  
Puerto Rico Dial-In #: 18664031409  
Russian Federation Dial-In #: 81080022581012  
Saint Kitts and Nevis Dial-In #: 18007449294  
South Africa Dial-In #: 0800994887  
Spain Dial-In #: 900981518  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905  
Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

## 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the April 14, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

-----  
Brian Carpenter / IBM  
Michelle Cotton / ICANN (IANA)  
Leslie Daigle / VeriSign (IAB)  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / VeriSign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Dave Meyer / Cisco/University of Oregon (IAB Liaison)  
Jon Peterson / NeuStar, Inc.

Joyce K. Reynolds / RFC Editor  
Barbara Roseman / ICANN (IANA)  
Mark Townsley / Cisco  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / Nokia  
Bert Wijnen / Lucent  
Alex Zinin / Alcatel

## REGRETS

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Dinara Suleymanova / IETF Secretariat

## MINUTES

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### 1. Administrivia

#### 1.1 Approval of the Minutes

The minute of the March 31, 2005 Teleconference were approved.  
The Secretariat will place the minutes in the public archives.

#### 1.2 Documents Approved since the March 31, 2005 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-ccamp-gmpls-recovery-functional-04.txt (Proposed Standard)
- o draft-ietf-ipsec-rfc2401bis-06.txt (Proposed Standard)
- o draft-ietf-msec-mikey-dhmac-11.txt (Proposed Standard)
- o draft-ietf-vpim-routing-10.txt (Proposed Standard)
- o draft-ietf-vpim-vpimdir-11.txt (Proposed Standard)

##### 1.2.2 Document Actions

- o draft-ietf-ccamp-gmpls-recovery-analysis-05.txt (Informational)
- o draft-ietf-ccamp-gmpls-recovery-terminology-06.txt (Informational)
- o draft-ietf-sipping-e2m-sec-reqs-06.txt (Informational)
- o draft-malamud-subject-line-05.txt (Informational)
- o draft-shafranovich-mime-csv-05.txt (Informational)

#### 1.3 Review of Action Items

##### DONE:

- o David Kessens to suggest a change to the WG chartering procedures so

that  
milestones are included in the public review.

#### DELETED:

- o Allison Mankin to talk to Geoff Huston about reopening his Quality of Service RFC.

#### IN PROGRESS:

- o Applications ADs to evaluate the situation with regards to MIME type review,  
and see how we can ensure the review turnaround times specified in the MIME registration procedures.
- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.

#### NEW:

- o Allison Mankin to craft IESG response to the Roberts (ipv6-parameter) Request for Assignments.

### 1.4 Review of Projects

#### 2. Protocol Actions

##### 2.1 WG Submissions

##### 2.1.1 New Item

- o draft-ietf-sipping-dialog-package-06.txt - 1 of 2  
An INVITE Initiated Dialog Event Package for the Session Initiation Protocol (SIP) (Proposed Standard)  
Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Scott Hollenbeck.\*

- o draft-ietf-sip-history-info-06.txt - 2 of 2  
An Extension to the Session Initiation Protocol for Request History Information (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Ted Hardie, and Russ Housley.\*

#### 2.1.2 Returning Item

o draft-ietf-mpls-bundle-06.txt - 1 of 1

Link Bundling in MPLS Traffic Engineering (Proposed Standard)

Token: Alex Zinin

The document was approved by the IESG pending an RFC Editor's Note to be prepared by Alex Zinin. The Secretariat will send a working group submission

Protocol Action Announcement that includes the RFC Editor's Note.

### 2.2 Individual Submissions

#### 2.2.1 New Item

NONE

#### 2.2.2 Returning Item

NONE

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item

NONE

##### 3.1.2 Returning Item

NONE

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

##### 3.2.1 New Item

NONE

##### 3.2.2 Returning Item

NONE

#### 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for IETF Approval

NONE

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for IETF Approval

NONE

## 5. Working Group News We Can Use

## 6. IAB News We Can Use

## 7. Management Issues

### 7.1 Expert Reviewer Appointment IESG/IANA (Allison Mankin)

The management issue was discussed. The IESG will review an Internet-Draft produced by Allison Mankin on the issue of expert reviewers appointed by the IESG for IANA.

### 7.2 IESG Handling of General Request for Assignments (Roberts) (ipv6-parameter) (Allison Mankin and Michelle Cotton)

The management issue was discussed. The IESG has taken the token to prepare an appropriate response for Dr. Roberts.  
Action item: Allison Mankin to craft IESG response to the Roberts (ipv6-parameter) Request for Assignments.

7.3 Request to Expedite draft-ietf-ips-fcmgmt-mib-06.txt, approved  
14 March (Allison Mankin)

The management issue was discussed. The IESG approved the request to expedite publication of this document.

7.4 Appointment of the IANA Experts Provided for in  
draft-ietf-geopriv-pidf-lo-03.txt (Ted Hardie)

The management issue was discussed. The IESG appointed Allison Mankin and Jon Peterson as the primary and secondary Expert Reviewers respectively for the provided-by registry of draft-ietf-geopriv-pidf-lo-03.txt.

7.5 Use of a "secretary" for IANA Expert Function (Ted Hardie)

The management issue was discussed. The IESG approved the use of the proposed mechanism. (Revised text of proposal coming from Ted Hardie.)

7.6 WG Chartering/Re-chartering (David Kessens)

The management issue was discussed. David Kessens will revise the proposal. The Secretariat will place this management issue back on the agenda for the next IESG Teleconference (04/25/2005).

NOTE: The IESG decided that the complete WG charter, with the exception of names of the proposed WG Chair(s) should be included in the WG Review announcements.

-----  
\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG.

## 1. Administrivia

### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: April 18, 2005

IP     o Applications ADs to evaluate the situation with regards to MIME  
type                      review, and see how we can ensure the review turnaround times

specified

in the MIME registration procedures.

IP o Allison Mankin and Thomas Narten to compose a message for the IESG and

IAB related to 3GPP's Release 6 publication deadline and expedited documents.

IP o Allison Mankin to craft IESG response to the Roberts (ipv6-parameter)

Request for Assignments.

## 1. Administrivia

### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 5

o draft-ietf-idr-cease-subcode-05.txt

Subcodes for BGP Cease Notification Message (Proposed Standard)

Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-idr-cease-subcode-05.txt to Proposed Standard

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Evaluation for draft-ietf-idr-cease-subcode-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=7767&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7767&rfc_flag=0)

Last Call to expire on: 2005-04-08

Please return the full line with your position.

Yes No-Objection Discuss Abstain

|                    |       |       |     |     |
|--------------------|-------|-------|-----|-----|
| Brian Carpenter    | [ ]   | [ X ] | [ ] | [ ] |
| Bill Fenner        | [ X ] | [ ]   | [ ] | [ ] |
| Ted Hardie         | [ ]   | [ X ] | [ ] | [ ] |
| Sam Hartman        | [ ]   | [ ]   | [ ] | [ ] |
| Scott Hollenbeck   | [ ]   | [ X ] | [ ] | [ ] |
| Russ Housley       | [ ]   | [ X ] | [ ] | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ] | [ ] |
| Allison Mankin     | [ ]   | [ ]   | [ ] | [ ] |
| Jon Peterson       | [ ]   | [ ]   | [ ] | [ ] |
| Mark Townsley      | [ ]   | [ ]   | [ ] | [ ] |
| Margaret Wasserman | [ ]   | [ ]   | [ ] | [ ] |
| Bert Wijnen        | [ ]   | [ ]   | [ ] | [ ] |
| Alex Zinin         | [ ]   | [ ]   | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-04-21]:

Document: draft-ietf-idr-cease-subcode-05.txt

From: Lakshminath Dondeti

Date: 13 april 2005

+++++

Review of 'Subcodes for BGP Cease Notification Message '  
<draft-ietf-idr-cease-subcode-05.txt> as a Proposed Standard

IETF LC ends 2005-04-08.

1. Section 1 uses the old RFC2026 template and MUST be updated.
2. Editorial: replace co-relating with correlating
3. Section 5: In the text corresponding to Subcode 8, please replace Resource with Resources
4. There is only one figure, but I still suggest numbering it and putting a label on it. Also, please make sure that the Figure does not span across two pages.
5. Replace "If a BGP speaker runs out of resource" with "If a BGP speaker runs out of resources"
6. There is no IPR statement.
7. There is also no indication of "track". I presume the I-D is in standards track, and is in the proposed standard stage.

In summary, except for the templates etc., I have only minor editorial suggestions for improvement.

+++++

Scott Hollenbeck:

Comment [2005-04-20]:

References should be split normative/informative.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

idr mailing list <idr@ietf.org>,

idr chair <skh@nexthop.com>,

idr chair <yakov@juniper.net>

Subject: Protocol Action: 'Subcodes for BGP Cease Notification  
Message' to Proposed Standard

The IESG has approved the following document:

- 'Subcodes for BGP Cease Notification Message '  
<draft-ietf-idr-cease-subcode-05.txt> as a Proposed Standard

This document is the product of the Inter-Domain Routing Working Group.

The IESG contact persons are Bill Fenner and Alex Zinin.

#### Technical Summary

This document defines several subcodes for the BGP Cease NOTIFICATION message that provide more information to aid network operators in correlating network events and diagnosing BGP peering issues.

#### Working Group Summary

The Working Group had consensus to publish this document as Proposed Standard.

#### Protocol Quality

Bill Fenner reviewed this document for the IESG.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 5

- o draft-ietf-avt-rtp-vmr-wb-10.txt

Real-Time Transport Protocol (RTP) Payload Formats for the Variable-Rate

Multimode Wideband (VMR-WB) Audio Codec (Proposed Standard)

Note: PROTO Shepherd magnus.westerlund@ericsson.com

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-avt-rtp-vmr-wb-10.txt to Proposed Standard

-----

Evaluation for draft-ietf-avt-rtp-vmr-wb-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11856&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11856&rft_flag=0)

Last Call to expire on: 2005-04-18

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment [2005-04-21]:

The document says:

#### 6.4. Implementation Considerations

An application implementing this payload format MUST understand all the payload parameters in the out-of-band signaling used. For example, if an application uses SDP, all the SDP and MIME parameters in this document MUST be understood. This requirement ensures that an implementation always can decide if it is capable or not of communicating.

Can the document author or chairs explain what the phrase "in the out-of-band-signaling used" is intended to mean here? That is, do the authors always mean the union of (the set of MIME parameters associated with this type) and the (the set of mechanisms inherent in their chosen signaling protocol), or do they mean that there will may be a limited subset of parameters valid for a specific signaling protocol? (After reading the example, I came to the "union" conclusion, but then became concerned that it might be different in non-SDP cases).

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

avt mailing list <avt@ietf.org>, avt chair <csp@cspcrkins.org>, avt  
chair

<magnus.westerlund@ericsson.com>

Subject: Protocol Action: 'Real-Time Transport Protocol (RTP) Payload  
and File Storage Formats for the Variable-Rate Multimode

Wideband

(VMR-WB) Audio Codec' to Proposed Standard

The IESG has approved the following document:

- 'Real-Time Transport Protocol (RTP) Payload and File Storage Formats  
for the

Variable-Rate Multimode Wideband (VMR-WB) Audio Codec '

<draft-ietf-avt-rtp-vmr-wb-02.txt> as a Proposed Standard

This document is the product of the Audio/Video Transport Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary:

This specification defines the RTP payload format for the 3GPP2 defined VMR-WB codec. The payload format supports a highly optimized conversational mode, and a octet-aligned mode with aggregation and support for frame interleaving to reduce the effect of packet loss when aggregating frames. The codec is able to support both 8kHz and 16kHz audio input sampling frequency, this results in the unusual solution to have an RTP timestamp rate that is not necessary the same as the sampling audio sampling rate. The specification also defines a media type to identify the codec and its packetization.

#### Working Group Summary:

The working group supported advancing this specification.  
The 3GPP2 liaison informed the IETF that this document is  
a critical dependency.

## Protocol Quality:

This payload format uses packetization methods that are well known and used by other RTP payload formats and are known to work. The RTP timestamp solution has been heavily discussed and consensus has been reached on the solution. The document has been reviewed both within the WG and externally. The shepherd for the IESG is Magnus Westerlund.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 5

- o draft-ietf-lemonade-mms-mapping-03.txt

Mapping Between the Multimedia Messaging Service (MMS) and Internet Mail  
(Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-lemonade-mms-mapping-03.txt to Proposed Standard

-----

Evaluation for draft-ietf-lemonade-mms-mapping-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12144&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12144&rfc_flag=0)

Last Call to expire on: 2005-02-17

Please return the full line with your position.

|                 | Yes | No-Objection | Discuss | Abstain |
|-----------------|-----|--------------|---------|---------|
| Brian Carpenter | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner     | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |       |       |     |
|--------------------|-------|-------|-------|-----|
| Ted Hardie         | [ X ] | [ ]   | [ ]   | [ ] |
| Sam Hartman        | [ ]   | [ ]   | [ ]   | [ ] |
| Scott Hollenbeck   | [ ]   | [ X ] | [ ]   | [ ] |
| Russ Housley       | [ ]   | [ X ] | [ . ] | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ]   | [ ] |
| Allison Mankin     | [ ]   | [ ]   | [ ]   | [ ] |
| Jon Peterson       | [ ]   | [ ]   | [ ]   | [ ] |
| Mark Townsley      | [ ]   | [ ]   | [ ]   | [ ] |
| Margaret Wasserman | [ ]   | [ ]   | [ ]   | [ ] |
| Bert Wijnen        | [ ]   | [ ]   | [ ]   | [ ] |
| Alex Zinin         | [ ]   | [ ]   | [ ]   | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
 RFC Editor <rfc-editor@rfc-editor.org>,  
 lemonade mailing list <lemonade@ietf.org>,  
 lemonade chair <gparsons@nortelnetworks.com>,  
 lemonade chair <eburger@brooktrout.com>

Subject: Protocol Action: 'Mapping Between the Multimedia Messaging  
 Service (MMS) and Internet Mail' to Proposed Standard

The IESG has approved the following document:

- 'Mapping Between the Multimedia Messaging Service (MMS) and Internet  
 Mail '  
 <draft-ietf-lemonade-mms-mapping-02.txt> as a Proposed Standard

This document is the product of the Enhancements to Internet email to  
 support  
 diverse service environments Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

Technical Summary

The cellular telephone industry has defined a service known as the

Multimedia Messaging Service (MMS). This service uses formats and protocols which are similar to, but differ in key ways from those used in Internet mail. This document specifies how to exchange messages between

these two services, including mapping information elements as used in MMS

X-Mms-\* headers as well as delivery and disposition reports, to and from that used in ESMTP and Internet message headers.

## Working Group Summary

The LEMONADE working group came to consensus on the publication of this document. No issues were raised during IETF Last Call. This work was coordinated with 3GPP and 3GPP2 by the author and working group chairs.

## Protocol Quality

This work was reviewed for the IESG by Eric Burger and Glenn Parsons.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 5

- o draft-ietf-bridge-bridgemib-smiv2-10.txt

Definitions of Managed Objects for Bridges (Proposed Standard)  
Token: Bert Wijnen

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-bridge-bridgemib-smiv2-10.txt to  
Proposed  
Standard  
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Evaluation for draft-ietf-bridge-bridgemib-smiv2-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=7183&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=7183&rfc_flag=0)

Last Call to expire on: 2005-03-11

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ X ] | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,  
bridge mailing list <bridge-mib@ietf.org>,  
bridge chair <dromasca@avaya.com>,  
bridge chair <dbharrington@comcast.net>  
Subject: Protocol Action: 'Definitions of Managed Objects for Bridges'  
to Proposed Standard

The IESG has approved the following document:

- 'Definitions of Managed Objects for Bridges '  
<draft-ietf-bridge-bridgemib-smiv2-10.txt> as a Proposed Standard

This document is the product of the Bridge MIB Working Group.

The IESG contact persons are Bert Wijnen and David Kessens.

#### Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP based internets. In particular it defines objects for managing MAC bridges based on the IEEE 802.1D-1998 standard between Local Area Network (LAN) segments. Provisions are made for support of transparent bridging. Provisions are also made so that these objects apply to bridges connected by subnetworks other than LAN segments.

The MIB module presented in this memo is a translation of the BRIDGE-MIB defined in RFC 1493 to the SMIV2 syntax, updated slightly to accommodate higher speed links.

This document obsoletes RFC 1493

#### Working Group Summary

The Bridge MIB Working Group discussed this document and approved its content in a Working Group Last Call process. All issues raised during the WG Last Call have been resolved, maintained in the RT system, and a summary of the resolutions was published to the mailing list for comment. The WG recommends that this document be forwarded to the IESG for consideration as a Proposed Standard.

It is the intention of the WG that subsequent mib module work for IEEE 802.1 technologies will be done by the IEEE 802.1 WG. There are some concerns about the quality of work likely to result from SNMP non-experts, but the IETF is providing MIB Doctor review of their MIB module work during the transition.

## Protocol Quality

The document was reviewed in detail by John Flick, and discussed by several other MIB experts. A number of IEEE 802.1 WG members, including the vice chair, were involved in discussions.

The discussions and clarifications resulted in editorial changes in the document.

The MIB module proposed by this document is the SMIV2 version of RFC 1493, which is implemented by many vendors in the industry. Backwards compatibility has been maintained, and most of the protocol data is identical between versions. It is expected that at least some of these vendors will implement the new version incarnated by this document, and other may choose to implement it in the future, because of the growing acceptance of the IEEE 802.1 protocol in the industry. It is our belief that the document is at the appropriate quality for consideration as proposed standard.

## RFC Editor Note

none

## IESG Note

none

## IANA Note

none

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 5

- o draft-ietf-avt-rtp-amrwbplus-06.txt

RTP Payload Format for Extended AMR Wideband (AMR-WB+) Audio Codec  
(Proposed Standard)

Note: PROTO shepherd: Colin Perkins <csp@csp Perkins.org>;

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-avt-rtp-amrwbplus-06.txt to Proposed  
Standard

-----

Evaluation for draft-ietf-avt-rtp-amrwbplus-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11905&rfc_flag=0)  
[command=view\\_id&dTag=11905&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11905&rfc_flag=0)

Last Call to expire on: 2005-04-18

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment [2005-04-21]:

Same question as in the vmr-wb doc applies here.

Russ Housley:

Discuss [2005-04-21]:

Section 6.2 of this document is quite different than the corresponding section in draft-ietf-avt-rtp-vmr-wb-10. That document says:

>  
> To authenticate the sender of the speech, an external mechanism MUST  
> be used. It is RECOMMENDED that such a mechanism protect all speech  
> data bits.  
>

I would really like to see this MUST statement appear in this document.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
avt mailing list <avt@ietf.org>,  
avt chair <csp@csperskins.org>,  
avt chair <magnus.westerlund@ericsson.com>

Subject: Protocol Action: 'RTP Payload Format for Extended AMR  
Wideband (AMR-WB+) Audio Codec' to Proposed Standard

The IESG has approved the following document:

- 'RTP Payload Format for Extended AMR Wideband (AMR-WB+) Audio Codec '  
<draft-ietf-avt-rtp-amrwbplus-06.txt> as a Proposed Standard

This document is the product of the Audio/Video Transport Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

Technical summary:

This draft defines an RTP payload format for the new AMR-WB+ audio codec. The format is heavily derived from the existing RTP payload format for the AMR-WB audio codec (RFC 3267), with some simplifications and with support for the new features of the WB+ modes. The design choices are largely those that have been proven in previous payload formats. The only somewhat unusual feature is that the RTP clock rate is run at a different rate than the audio sampling rate, to allow for variable rate coding.

Working group summary:

There is strong consensus in the working group that this is an appropriate solution.

The specification is reported as a critical dependency by 3GPP's liaison to the IETF.

Protocol quality:

The protocol is being widely implemented by 3GPP companies. Itt has been extensively reviewed by Colin Perkins and Dave Singer; Colin is the shepherd of the document for the IETF.

IANA Note

(Insert IANA Note here)

#### 2.1.2 Returning Item

NONE

#### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

#### 2.2 Individual Submissions

##### 2.2.1 New Item - 1 of 5

- o draft-josefsson-dns-url-11.txt

Domain Name System Uniform Resource Identifiers (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-josefsson-dns-url-11.txt to Proposed Standard

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Evaluation for draft-josefsson-dns-url-11.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=6381&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6381&rfc_flag=0)

Last Call to expire on: 2005-03-23

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Bill Fenner:

Discuss [2005-04-21]:

"..." is not syntactically correct ABNF in the two rules

dnsclassval = 1\*digit / "IN" / "CH" / ...

and

dnstypeval = 1\*digit / "A" / "NS" / "MD" / ...

Maybe "<Any IANA registered DNS class>" and "<Any IANA registered DNS type>" could replace the "...s?"

Russ Housley:

Discuss [2005-04-21]:

Can the CRL Distribution Point certificate extension make use of this URL format? To me, this seems like a more useful deployment scenario than the OCSP extension. If not, then the introduction should explain why this is not appropriate.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Domain Name System Uniform Resource  
Identifiers' to \*\*\* YOU MUST SELECT AN INTENDED STATUS FOR THIS  
DRAFT

AND REGENERATE THIS TEXT \*\*\*

The IESG has approved the following document:

- 'Domain Name System Uniform Resource Identifiers '  
<draft-josefsson-dns-url-11.txt> as \*\*\* YOU MUST SELECT AN INTENDED  
STATUS  
FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document describes a URI scheme that allows an application to reference data stored in the DNS. It notes use cases for which this is needed. It also contrasts this with other possible DNS-related URI schemes, in particular one which mapped to the DNS protocol actions used to send queries with specific flags.

#### Working Group Summary

This work is the product of an individual submitter. There was

significant

discussion of this scheme in its early review; in particular, the lack of an ability to specify protocol flags was deemed to be a serious deficit. Efforts to produce a single scheme which served that purpose as well as the purposes inherent in these use cases did not succeed. The result was a proposal to limit this scheme's applicability explicitly and to allow for, or even invite, the creation of a scheme specific to the protocol processing.

The one aspect of "protocol processing" left in this scheme is a specific designation of authority (that is, target server), which is required both for diagnostics and in cases of split DNS.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 5

- o draft-rescorla-dtls-04.txt

Datagram Transport Layer Security (Proposed Standard)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-rescorla-dtls-04.txt to Proposed Standard

-----

Evaluation for draft-rescorla-dtls-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11289&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11289&rfc_flag=0)

Last Call to expire on: 2005-03-25

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ . ]   | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-04-21]:

Review comments from Joel Halpern:

One minor suggestion occurred to me reading this. It would be helpful to have a paragraph or so indicating what should be done if using a transport like DCCP which does order preservation but not loss prevention. My guess is that

we  
should just use this protocol, because the cost of extra serial numbers  
and a  
few checks is tiny. But it would be nice if the document said so.

typo:

last paragraph of 4.1.:

in a single datagram. hey

^

T

Ted Hardie:

Comment [2005-04-21]:

Nits:

However, over the past few years an increasing number of  
application layer protocols have been designed which UDP  
transport.

--> which use UDP as a transport.

SIP, for instance, uses a subset of  
S/MIME to secure its traffic.

-->subset of S/MIME

it typically require a large amount of effort to design

--->requires

using the following sliding, window procedure

--->sliding window procedure?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Datagram Transport Layer Security' to  
Proposed Standard

The IESG has approved the following document:

- 'Datagram Transport Layer Security '  
<draft-rescorla-dtls-01.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Steve Bellovin.

#### Technical Summary

This document specifies Version 1.0 of the Datagram Transport Layer Security (DTLS) protocol. The DTLS protocol provides communications privacy for datagram protocols. The protocol allows client/server applications to communicate in a way that is designed to prevent eavesdropping, tampering, or message forgery. The DTLS protocol is based on the TLS protocol and provides equivalent security guarantees. Datagram semantics of the underlying transport are preserved by the DTLS protocol.

#### Working Group Summary

This document was not generated by any IETF Working Group.

#### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

#### RFC Editor Note

Please update section 4 to state that the same syntax description language is used in this specification as in TLS 1.1.

#### OLD:

As mentioned in Section 3., DTLS is intentionally very similar to TLS. Therefore, instead of presenting DTLS as a new protocol, we instead present it as a series of deltas from TLS 1.1 [TLS11]. Where we do not explicitly call out differences, DTLS is the same as TLS.

#### NEW:

As mentioned in Section 3, DTLS is intentionally very similar to TLS. Therefore, instead of presenting DTLS as a new protocol, we instead present it as a series of deltas from TLS 1.1 [TLS11], employing the same syntax description language as TLS 1.1 [TLS11]. Where we do not explicitly call out differences, DTLS is the same as TLS.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 3 of 5

- o draft-freed-media-type-reg-04.txt  
Media Type Specifications and Registration Procedures (BCP)  
Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-freed-media-type-reg-04.txt to BCP  
-----

Evaluation for draft-freed-media-type-reg-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12221&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12221&rfc_flag=0)

Last Call to expire on: 2005-04-12

Please return the full line with your position.

|                  | Yes   | No-Objection | Discuss | Abstain |
|------------------|-------|--------------|---------|---------|
| Brian Carpenter  | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner      | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie       | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman      | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley     | [ ]   | [ X ]        | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| David Kessens      | [ ] | [ ] | [ ] | [ ] |
| Allison Mankin     | [ ] | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Mark Townsley      | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Media Type Specifications and Registration Procedures' to BCP

The IESG has approved the following document:

- 'Media Type Specifications and Registration Procedures '  
<draft-freed-media-type-reg-04.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

#### Technical Summary

This document defines procedures for the specification and registration of media types for use in MIME and other Internet protocols. Combined with "Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures (draft-freed-mime-p4), this draft obsoletes RFC 2048 if approved.

#### Working Group Summary

This document is the work of individual submitters. It was subjected to MIME-types review, but it is has not been reviewed

by an IETF working group. MIME-type review comments have been incorporated into the document. Most IETF last call comments were also incorporated into the document, but there was a disagreement between the authors and at least one reviewer who suggested that the procedures in this document are not consistent with those specified in RFC 3555. The authors believe that any inconsistencies should be addressed by updating RFC 3555.

## Protocol Quality

Ted Hardie and Scott Hollenbeck have reviewed this specification for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 4 of 5

- o draft-lee-ipsec-cipher-seed-01.txt

The SEED Cipher Algorithm and Its Use With IPSec (Proposed Standard)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-lee-ipsec-cipher-seed-01.txt to Proposed Standard

-----

Evaluation for draft-lee-ipsec-cipher-seed-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11876&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11876&rfc_flag=0)

Last Call to expire on: 2005-04-15

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-04-18]:

Small note from Spencer Dawkins:

This document does still contain two fairly important references to web pages in the body of the draft:

- [http://www.kisa.or.kr/seed/seed\\_eng.html](http://www.kisa.or.kr/seed/seed_eng.html) and
- [http://www.kisa.or.kr/seed/seed\\_eng.html](http://www.kisa.or.kr/seed/seed_eng.html),

plus several more in the references section.

Assuming that

<ftp://ftp.rfc-editor.org/in-notes/rfc-editor/instructions2authors.txt> is current, today's instructions advise against including URLs that can change in

RFCs that can't. The RFC Editor would likely provide guidance, though.

Ted Hardie:

Comment [2005-04-22]:

The abstract uses IV without expanding it to initialization vector; it might

be clearer to expand on it, since this is the first use in this document.

Scott Hollenbeck:

Comment [2005-04-20]:

Please include a normative reference to RFC 2119 in section 1.2.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The SEED Cipher Algorithm and Its Use With  
IPSec' to Proposed Standard

The IESG has approved the following document:

- 'The SEED Cipher Algorithm and Its Use With IPSec '  
<draft-lee-ipsec-cipher-seed-00.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

#### Technical Summary

This protocol is about the use of the SEED block cipher algorithm in Cipher Block Chaining Mode, with an explicit IV, as a confidentiality mechanism within the context of the IPSec Encapsulating Security Payload (ESP).

#### Working Group Summary

This is not a WG document. Although some widely used block cipher algorithms are already used in IPSec ESP, this SEED offers another algorithm choice. This document specifies the conventions for the use of SEED with IPSec ESP.

#### Protocol Quality

SEED is a national industrial association standard (TTA K0-12.0004, 1999) in Korea. It will also be an ISO/IEC standard soon.

## RFC Editor Note

Please change "IPSec" to "IPsec" throughout the document.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 5 of 5

- o draft-hoffman-telnet-uri-04.txt  
The telnet URI Scheme (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-hoffman-telnet-uri-04.txt to Proposed Standard

-----

Evaluation for draft-hoffman-telnet-uri-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12233&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12233&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                  | Yes   | No-Objection | Discuss | Abstain |
|------------------|-------|--------------|---------|---------|
| Brian Carpenter  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner      | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie       | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman      | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens    | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Allison Mankin     | [ ] | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Mark Townsley      | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The telnet URI Scheme' to Proposed Standard

The IESG has approved the following document:

- 'The telnet URI Scheme '  
<draft-hoffman-telnet-uri-04.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document specifies the telnet Uniform Resource Identifier (URI) scheme that was originally specified in RFC 1738. The purpose of this document is to allow RFC 1738 to be made obsolete while keeping the information about the scheme on the standards track and appropriately referenced within the IANA registry.

#### Working Group Summary

This document is the product of an individual submitter, but the strategy of splitting RFC 1738's registrations was discussed by the URI mailing list.

The document did receive comments during the IETF last call and an RFC Editor's note has been added in response to one issue raised.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

Please add a normative reference to:

[STD0008] Postel, J., and Reynolds, J., "Telnet Protocol Specification",  
STD 0008, May 1983.

## IESG Note

(Insert IESG Note here)

## IANA Note

Please update the registration of the Telnet scheme to point to this document  
once it has been published.

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable  
contribution to the area of Internet engineering which it covers?  
If

not, what changes would make it so?"

#### 3.1.1 New Item - 1 of 3

- o draft-ietf-manet-dsr-10.txt  
The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks (DSR)  
(Experimental)  
Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-manet-dsr-10.txt to Experimental RFC  
-----

Evaluation for draft-ietf-manet-dsr-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=3291&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=3291&rfc_flag=0)

Last Call to expire on: 2005-04-08

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ X ]   | [ ]     |
| Bill Fenner        | [ X ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Discuss [2005-04-21]:

This draft applies to IPv4 only. The title should say that by adding "using IPv4" to the end, or something like that. Furthermore, the text states that "... and operation of DSR with IPv6 [7], are covered in other documents." [7] is only a reference to the basic IPv6 spec. I'd expect to see at least a "work in progress" reference to substantive

work on DSR for IPv6, if the quoted statement is correct.

Ted Hardie:

Comment [2005-04-22]:

We assume that a node receiving a corrupted packet can detect the error and discard the packet.

Is this "receipt" as in end-point receipt, or nodes along the route receiving then discarding the packet? I am assuming that "end-point receipt" is meant here--if not, some clarification may be in order.

Comments below do not anticipate any change in the document.

Since the document is going for experimental, it might be useful to examine at what rate routes "overheard" are used. Depending on the rate of change and the available resources, it seems like it may be optimal in some circumstances to avoid learning overheard routes.

I think it would also be valuable to test the routes used in "Salvaged" packets against the case in which the node originating the packet also had multiple routes to see if a pattern emerges in which salvaged packets had significantly better or worse routes than the alternate routes available at the origin.

Scott Hollenbeck:

Comment [2005-04-20]:

References should definitely be split normative/informative.

Russ Housley:

Discuss [2005-04-21]:

The document says that the IPv4 address is assigned by any means, including DHCP. Is there any work on the use of DHCP in an ad hoc network? DHCP implies an administrator, and ad hoc networks do not necessarily have administrators.

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

manet mailing list <manet@ietf.org>, manet chair

<macker@itd.nrl.navy.mil>,

manet chair <corson@flarion.com>

Subject: Document Action: 'The Dynamic Source Routing Protocol for  
Mobile Ad Hoc Networks (DSR)' to Experimental RFC

The IESG has approved the following document:

- 'The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks (DSR)',  
<draft-ietf-manet-dsr-10.txt> as an Experimental RFC

This document is the product of the Mobile Ad-hoc Networks Working Group.

The IESG contact persons are Bill Fenner and Alex Zinin.

#### Technical Summary

The Dynamic Source Routing protocol (DSR) is a routing protocol designed specifically for use in multi-hop wireless ad hoc networks of mobile nodes. DSR allows the network to be completely self-organizing and self-configuring, without the need for any existing network infrastructure or administration.

#### Working Group Summary

The Working Group had consensus to publish the four existing protocols as Experimental, as the first step down the path towards DYM0.

#### Protocol Quality

Bill Fenner reviewed the specification for the IESG.

#### IANA Note

Please reassign IP Protocol 48 to DSR. David Johnson (the main author of DSR) was able to confirm that this protocol number was originally assigned for a proposal for Mobile IP (Mobile Host Routing Protocol) that was never deployed. Under RFC 2780

section 4.3, this is the IESG Approval of this assignment.

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 2 of 3

- o draft-ietf-idr-rfc1863-historic-00.txt  
Reclassification of RFC 1863 to Historic (Informational)  
Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-idr-rfc1863-historic-00.txt to Informational RFC

-----

Evaluation for draft-ietf-idr-rfc1863-historic-00.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11878&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11878&rfc_flag=0)

Last Call to expire on: 2005-04-08

Please return the full line with your position.

|                  | Yes | No-Objection | Discuss | Abstain |
|------------------|-----|--------------|---------|---------|
| Brian Carpenter  | [ ] | [ X ]        | [ ]     | [ ]     |
| Bill Fenner      | [ ] | [ ]          | [ X ]   | [ ]     |
| Ted Hardie       | [ ] | [ X ]        | [ ]     | [ ]     |
| Sam Hartman      | [ ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck | [ ] | [ X ]        | [ ]     | [ ]     |
| Russ Housley     | [ ] | [ X ]        | [ ]     | [ ]     |
| David Kessens    | [ ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin   | [ ] | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Mark Townsley      | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-04-21]:

Newtrk isn't looking at Informationals. I think we should continue at normal course and speed.

Bill Fenner:

Discuss [2005-04-19]:

I want to discuss Tony Hansen's Last Call comment, suggesting that we not publish documents like this until newtrk figures out how this should happen:

From: Tony Hansen <tony@att.com>

Subject: Re: Last Call: 'Reclassification of RFC 1863 to Historic' to Informational RFC

Date: Fri, 25 Mar 2005 12:34:13 -0500

To: iesg@ietf.org

I've argued before against the publication of RFCs such as this, and will argue once again.

This I-D does not need to be published. Yes, RFC 1863 may need to be reclassified as historic, but we don't need a new RFC to tell us that.

Part of the newtrack work is to handle situations like this. I'd suggest a moratorium on publishing ANY RFCs such as this one until the newtrack work finishes in this area.

Tony Hansen  
tony@att.com

Ted Hardie:

Comment [2005-04-22]:

If NEWTRK has a suggested procedure for this, then I think we could adopt that procedure in the interim and use it instead of RFC publication. But I think we need some formal adoption before we switch (either publication of an RFC, minuted agreement to a publishable procedure, or whatever). In the mean time, I think we should take these as they come.

Scott Hollenbeck:

Comment [2005-04-20]:

I can understand where Tony is coming from, but I think there's value in having a record of the decision to reclassify an RFC. Is some other means of recording such decisions being considered?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

idr mailing list <idr@ietf.org>,

idr chair <skh@nexthop.com>,

idr chair <yakov@juniper.net>

Subject: Document Action: 'Reclassification of RFC 1863 to Historic'  
to Informational RFC

The IESG has approved the following document:

- 'Reclassification of RFC 1863 to Historic '  
<draft-ietf-idr-rfc1863-historic-00.txt> as an Informational RFC

This document is the product of the Inter-Domain Routing Working Group.

The IESG contact persons are Bill Fenner and Alex Zinin.

#### Technical Summary

This memo reclassifies RFC 1863, A BGP/IDRP Route Server alternative to a full mesh routing, to Historic status.

Implementations of RFC 1863 route servers do not exist, and are not

used as an alternative to full mesh routing.

#### Working Group Summary

The Working Group had consensus to reclassify RFC 1863.

#### Protocol Quality

Bill Fenner reviewed this document for the IESG.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.1.1 New Item - 3 of 3

- o draft-ietf-lemonade-notify-s2s-00.txt

Server To Server Notification Protocol Requirements (Informational)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-lemonade-notify-s2s-00.txt to

Informational RFC

-----

Evaluation for draft-ietf-lemonade-notify-s2s-00.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12193&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12193&rfc_flag=0)

Last Call to expire on: 2005-02-17

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-04-21]:

Nits galore. I'm on the edge of a DISCUSS, and I think this needed  
another turn  
of the handle within the WG.

No separate Security Considerations section, and:

Checking nits according to <http://www.ietf.org/ID-Checklist.html> :

- \* The document seems to lack an IANA Considerations section.
- \* The document seems to lack separate sections for Informative/

Normative

References.

- \* Looks like you're using RFC 2026 boilerplate. Better change to RFC 3978/3979.

- \* There are 29 instances of too long lines in the document, the longest one being 17 characters in excess of 72.
- \* There are 7 instances of lines with non-ascii characters in the document.
- \* There is 1 instance of lines with control characters in the document.

Checking nits according to <http://www.ietf.org/ietf/lid-guidelines.txt> :

- \* The document seems to lack a lid\_guidelines paragraph about 6 months document validity -- however, there's a paragraph with a matching beginning.  
Boilerplate error?

Scott Hollenbeck:

Discuss [2005-04-21]:  
Section 3.3: which version of Unicode is required? Please cite a specific version as a normative reference.

Comment [2005-04-21]:  
I'll let Brian hold the discuss for his nits if he wants to enter one.  
I think  
section 4.3 ("Security") may have been intended as the needed Security Considerations section.

Russ Housley:

Discuss [2005-04-21]:

In section 4.3.2, the document says:  
>  
> The notification protocol MUST supply manners to eliminate all the  
> threats specified in 2.10.1 (e.g. authentication, encryption).  
>  
There is no section 2.10.1. Please point to the proper section, which I assume is section 4.3.1.

Comment [2005-04-20]:

The document contains non-ASCII characters.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
lemonade mailing list <lemonade@ietf.org>,  
lemonade chair <gparsons@nortelnetworks.com>,  
lemonade chair <eburger@brooktrout.com>  
Subject: Protocol Action: 'Server To Server Notification Protocol  
Requirements' to Proposed Standard

The IESG has approved the following document:

- 'Server To Server Notification Protocol Requirements '  
<draft-ietf-lemonade-notify-s2s-00.txt> as a Proposed Standard

This document is the product of the Enhancements to Internet email to support  
diverse service environments Working Group.

The IESG contact persons are Ted Hardie and Scott Hollenbeck.

#### Technical Summary

This memo puts forward a set of requirements for a protocol in which a messaging system submit alerts which describe potential notification events regarding an end user mailbox status. These alerts are sent to a notification service, which may, in turn, generate an end user alert notification. This is intended to allow a messaging system to remain unaware of a user's changing notification preferences.

#### Working Group Summary

The LEMONADE working group came to consensus that this document should be published.

#### Protocol Quality

This document was reviewed for the IESG by Eric Burger and Glenn Parsons.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"

#### 3.1.2 Returning Item - 1 of 1

- o draft-ietf-multi6-multihoming-threats-03.txt  
Threats relating to IPv6 multihoming solutions (Informational)  
Token: David Kessens

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-multi6-multihoming-threats-03.txt to  
Informational RFC

-----

Evaluation for draft-ietf-multi6-multihoming-threats-03.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11954&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11954&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ X ] | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ . ]   | [ ]     |
| David Kessens      | [ X ] | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ X ]   | [ ]     |
| Bert Wijnen        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

Harald Alvestrand [ ] [ X ] [ ] [ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Comment [2004-11-29]:

[also emailed to try and get a response before the telechat]

First, this was a well written explanation of the multihoming threats.  
I appreciate the thoroughness of this work.

I do have one comment; this is not a discuss but I believe the document would be improved by fixing a possible error.

On page 8:

together with channel bindings allow protocols which in themselves are vulnerable to MiTM-attacks to operate with a high level of confidentiality in the security of the identification of the peer. A

typical example is the Remote Desktop Protocol (RDP) which when used

with opportunistic IPsec works well if channel bindings are available. Channel bindings provide a link between the IP-layer

identification and the application protocol identification.

Is RDP actually the example you intended to use? If so, are we talking about Microsoft's RDP? To the best of my knowledge, RDP doesn't actually have any way of authenticating the user; the login sequence is carried out within the RDP connection as a normal application exchange. Also, I believe RDP provides its own (weak) encryption and I don't think is typically used with IPsec. Perhaps a better example is RDDP, the Remote Direct Data Placement Protocol.

Russ Housley:

Comment [2004-12-01]:

Overall a very nice job.

In the Abstract:

s/inherent in the problem itself/inherent in all IPv6 multihoming solutions/

Allison Mankin:

Comment [2005-03-30]:

The revision addressed my Discuss. My Discuss was a bit inaccurate - it stated

a wrong section number - it was about 4.3, not 4.4, and about a DoS proposal.

The author much improved the text on revisiting.

Overall comment remains: a very thoughtful document

Margaret Wasserman:

Discuss [2004-12-01]:

There is an ongoing "mini" WG LC (~3 U.S. business days) ongoing on this document, and Iljitsch van Beijnum has made some comments.

Essentially, Iljitsch has pointed out that the multihoming model considered in the threats document (full ID/Loc split) doesn't match the ULID-based mechanism (pool of locators, one used as ID for a given session) that we are currently pursuing as the technical solution. The new model might have impact on the threats, particularly on the discussion of redirection on pages 41 and 42.

I'm not sure if this is a blocking issue or not, but I think we should

wait for the discussion on the multi6 mailing list to conclude before we approve the document for publication.

Bert Wijnen:

Comment [2004-12-02]:

\*\*\* matchref -- match citations and references.

Input file: draft-ietf-multi6-multihoming-threats-02.txt

!! Missing citation for Informative reference:

P026 L021: [ADDR-ARCH] S. Deering, R. Hinden, Editors, "IP Version 6

!! Missing citation for Informative reference:

P026 L030: [IPv6-AUTH] R. Atkinson. "IP Authentication Header", RFC 2402,

!! Missing citation for Informative reference:

P026 L033: [IPv6-ESP] R. Atkinson. "IP Encapsulating Security Payload (ESP)",

!! Missing citation for Informative reference:

P026 L027: [IPv6-SA] R. Atkinson. "Security Architecture for the Internet

!! Missing citation for Informative reference:

P026 L024: [IPv6] S. Deering, R. Hinden, Editors, "Internet Protocol, Version

!! Missing citation for Informative reference:

P027 L016: [MAST] D. Crocker, "MULTIPLE ADDRESS SERVICE FOR TRANSPORT (MAST):

-----

Comments from AAA\_doctor review (Jari):

Overall:

This an excellent and well written document. I had no major problems with it. However, a few smaller nits or questions were found here and there. Nothing worth a DISCUSS, but you

could pass the comments along.

Substantial:

> 2) Does multicast make matters worse? It usually does.

Not sure if the multicast angle relates to a specific solution like the start of the list implies or if its a more general issue with multihoming. I suspect the latter. Suggestion: if you haven't dealt with multicast in this document, say so.

> Hence there is a different way to describe the same thing. If the  
> peer can somehow prove that it is the owner of the identifier, then  
> the peer can control the locators that are used with the  
identifier.

> This way to describe the problem is used in [OWNER].

Hmm... I think there's a step here that seems a bit vague (may become clear when you read the rest of the document, but not yet here). This assumes that all communications are bound to the identifier, not the locator. Perhaps you want to say this explicitly.

> in the routing system  
> delivering packets to that address. Applications that use mutually  
> authenticating security mechanisms, such as IPSEC or TLS, have the  
> ability to bind an address or FQDN to cryptographic keying  
material.

Nit: TLS most often does not do mutual authentication. Suggestion:  
s/use mutually authenticating security mechanisms/use security  
mechanisms/

> The third, and final concern, is that if an attacker only need a  
few  
> packets to convince one host to flood a third party, then it  
wouldn't  
> be hard for the attacker to convince lots of hosts to flood the  
same  
> third party. Thus this could be used for Distributed  
> Denial-of-Service attacks.

Perhaps you want to explicitly say something about the amplification here. I believe amplification is the key issue here, and contrast this to the 1:1 amplification in the spoofed TCP SYN attack.

> For instance, in the case of TCP it

- > would help if TCP slow-start was triggered when the destination
- > locator changes. (Folks might argue that, separately from security,
- > this would be the correct action for congestion control since TCP
- > might not have any congestion-relation information about the new
- path
- > implied by the new locator).

I'm not completely convinced that it would help. Seems like TCP slow start still involves a number of messages when the sender retransmits after not getting a response. Depending on the number of retransmits vs. the number of packets needed to get the attack going, this might or might not be useful. The key is again amplification. How many packets you put in as an attacker, and how many does the victim get? Suggestion: s/it would help if/a partial defense would be given if/

- > Discussion: Perhaps the key issue is not about the granularity,
- > but about the lifetime of the state that is created? In a
- > transport-layer approach the multihoming state would presumably
- be
- > destroyed when the transport state is deleted as part of closing
- > the connection. But an IP-layer approach would have to rely on
- > some timeout or garbage collection mechanisms perhaps combined
- > with some new explicit signaling to remove the multihoming
- state.
- > The coupling between the connection state and multihoming state
- in
- > the transport-layer approach might make it more expensive for
- the
- > attacker, since it needs to keep the connections open. Is this
- > the case?

I think there's both a space (granularity) and time (lifetime) component in the results of either legitimate or fraudulent multihoming requests. Clearly there needs to be some limits on the effect of the requests.

- > There is a potential chicken-and-egg problem here, because
- > potentially one would want to avoid doing work or creating state
- > until the peer has been verified, but verification will probably
- need
- > some state and some work to be done.

Stateless design in verification protocols is well known today, so I don't think is much of an issue. Suggestion: Add "Avoiding any work does not seem possible, but good protocol design can often delay state creation until verification has been completed."

Editorial:

> of the endpoints) and I think those would allow blocking as well.

Maybe s/I think//

> Given that there isn't address privacy in site multihoming setups

- English is not my native language but I tend to replace "isn't"=>"is not" etc. (Multiple places and multiple cases with don't/can't etc.)

> However, when a \*host\* is multi-homed to several ISP, e.g. through a

s/\*host\* is/host (not site) is directly/

> Such an attack might be against the resources of a particular host  
> i.e., C in the example above, or it might be against the network  
> infrastructure towards a particular IP address prefix, by overloading  
> the routers or links even though there is no host at the address  
> being targeted.

Move this paragraph to the end of Section 4.3, otherwise the "there are a few aspects" ... "the first is ..." are hard to understand when this paragraph is in the middle.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

multi6 mailing list <multi6@ops.ietf.org>,

multi6 chair <brc@zurich.ibm.com>,

multi6 chair <kurtis@kurtis.pp.se>

Subject: Document Action: 'Threats relating to IPv6 multihoming solutions' to Informational RFC

The IESG has approved the following document:

- 'Threats relating to IPv6 multihoming solutions '  
    <draft-ietf-multi6-multihoming-threats-02.txt> as an Informational RFC

This document is the product of the Site Multihoming in IPv6 Working Group.

The IESG contact persons are David Kessens and Bert Wijnen.

#### Technical Summary

This document lists security threats related to IPv6 multihoming. Multihoming can introduce new opportunities to redirect packets to different, unintended IP addresses.

The intent is to look at how IPv6 multihoming solutions might make the Internet less secure than the current Internet, without studying any proposed solution but instead looking at threats that are inherent in the problem itself. The threats in this document build upon the threats discovered and discussed as part of the Mobile IPv6 work.

#### Working Group Summary

This document is a product of the multi6 working group.

#### Protocol Quality

David Kessens reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

### 3.2.1 New Item - 1 of 2

o draft-dtessman-urn-namespace-federated-content-02.txt

URN Namespace for Federated Content (Informational)

Note: RFC Editor note: Rules for Lexical Equivalence: √. √. √. In addition

to the rules defined in RFC 2141 [4], normalize the. √. √. √. case of the

ProviderId before comparison. Rules for Lexical Equivalence: √. √. √. In

addition to the rules defined in RFC 2141 [4], normalize the<br>√. √.

case of the ProviderId to lower case before comparison.

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-dtessman-urn-namespace-federated-content-02.txt to

Informational RFC

-----

Evaluation for draft-dtessman-urn-namespace-federated-content-02.txt can be

found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12740&rfc_flag=0)

[command=view\\_id&dTag=12740&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12740&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |

Alex Zinin                [   ]        [   ]        [   ]        [   ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Bill Fenner:

Discuss [2005-04-21]:

The MM ABNF allows months "01" through "09" or a month I've never heard of, "1012". I suspect the second half of the alternation is meant to be ("1" ("0" / "1" / "2")) (the I-D is missing the slashes).

Scott Hollenbeck:

Comment [2005-04-20]:

Please cite RFC 2119 in section 2.

References should be split normative/informative.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

    RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'URN Namespace for Federated Content' to  
          Informational RFC

The IESG has approved the following document:

- 'URN Namespace for Federated Content '  
    <draft-dtessman-urn-namespace-federated-content-01.txt> as an  
Informational  
RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

This is a request for a URN NID.

#### Working Group Summary

This request came from an individual submitter.

#### Protocol Quality

This request was reviewed by the URN-NID mailing list.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 2 of 2

- o draft-dolan-urn-isan-00.txt  
ISAN URN Definition (Informational)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-dolan-urn-isan-00.txt to Informational RFC

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Evaluation for draft-dolan-urn-isn-00.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13020&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13020&rft_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Discuss [2005-04-20]:

The ABNF in section 2 is invalid, I think. The tokens should not be enclosed in "<" and ">" characters. Assignment is done with "=", not "::~=". I think the "?" characters are the ones described in Russ' discuss. Then again, there's no reference cited for ABNF, so which syntax is this supposed to be using? I noticed that RFC 2141 seems to use the same format, so maybe an appropriate reference and a small fix is all that's needed.

The last sentence of section 6 appears to have been truncated.

Comment [2005-04-20]:

Last sentence of the "Conventions used in this document" section: "as described in RFC-2119 0". Extra " 0" at the end.

It's probably not a good idea to include a citation in the abstract.

Russ Housley:

Discuss [2005-04-19]:

There are non-ASCII characters in the ABNF.

^L

----- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'ISAN URN Definition' to Informational RFC

The IESG has approved the following document:

- 'ISAN URN Definition '  
<draft-dolan-urn-isan-00.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

Technical Summary

URN NID request.

Working Group Summary

Not the product of a working group, but reviewed by the URN-NID list.

Protocol Quality

Reviewed for the IETF by the URN-NID list.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

3.2.2 Returning Item

NONE

3.3.1 New Item

NONE

3.3.2 Returning Item

NONE

4. Working Group Actions

4.1 WG Creation

4.1.1 Proposed for IETF Review

NONE

4. Working Group Actions

4.1 WG Creation

4.1.2 Proposed for Approval

NONE

4. Working Group Actions

4.2 WG Rechartering

4.2.1 Under evaluation for IETF Review

- o IPv6 Operations (v6ops) - 1 of 2  
Token: David Kessens

IPv6 Operations (v6ops)

=====

Last Modified: 2005-4-18

Current Status: Active Working Group

## Description of Working Group:

The global deployment of IPv6 is underway, creating an IPv4/IPv6 Internet consisting of IPv4-only, IPv6-only and IPv4/IPv6 networks and nodes. This deployment must be properly handled to avoid the division of the Internet into separate IPv4 and IPv6 networks while ensuring addressing and connectivity for all IPv4 and IPv6 nodes.

The IPv6 Operations Working Group (v6ops) develops guidelines for the operation of a shared IPv4/IPv6 Internet and provides operational guidance on how to deploy IPv6 into existing IPv4-only networks, as well as into new network installations.

The main focus of the v6ops WG is to look at the immediate deployment issues; more advanced stages of deployment and transition are a lower priority.

The goals of the v6ops working group are:

1. Solicit input from network operators and users to identify operational issues with the IPv4/IPv6 Internet, and determine solutions or workarounds to those issues. These issues will be documented in Informational or BCP RFCs, or in Internet-Drafts.

This work should primarily be conducted by those areas and WGs which are responsible and best fit to analyze these problems, but v6ops may also cooperate in focusing such work.

2. Publish Informational or BCP RFCs that identify potential security risks in the operation of shared IPv4/IPv6 networks, and document operational practices to eliminate or mitigate those risks.

This work will be done in cooperation with the Security area and other relevant areas or working groups.

3. As a particular instance of (1) and (2), provide feedback to the IPv6 WG regarding portions of the IPv6 specifications that cause, or are likely to cause, operational or security concerns, and work with the IPv6 WG to resolve those concerns. This feedback will be published in Internet-Drafts or RFCs.

4. Publish Informational or BCP RFCs that identify and analyze solutions for deploying IPv6 within common network environments, such as ISP Networks, Enterprise Networks, Unmanaged Networks (Home/Small

Office), and Cellular Networks.

These documents should serve as useful guides to network operators and users on possible ways how to deploy IPv6 within their existing IPv4 networks, as well as in new network installations.

These documents should not be normative guides for IPv6 deployment, and the primary intent is not capture the needs for new solutions, but rather describe which approaches work and which do not.

IPv6 operational and deployment issues with specific protocols or technologies (such as Applications, Transport Protocols, Routing Protocols, DNS or Sub-IP Protocols) are the primary responsibility of the groups or areas responsible for those protocols or technologies. However, the v6ops WG may provide input to those areas/groups, as needed, and cooperate with those areas/groups in reviewing solutions to IPv6 operational and deployment problems.

Future work items within this scope will be adopted by the WG only if there is a substantial expression of interest from the community and if the work clearly does not fit elsewhere in the IETF.

There must be a continuous expression of interest for the WG to work on a particular work item. If there is no longer sufficient interest in the WG in a work item, the item may be removed from the list of WG items.

Specifying any protocols or transition mechanisms is out of scope of the WG.

#### Goals and Milestones:

Done Adopt IPv6 deployment using VLANs to IESG for Info

Done Adopt ISP IPv6 Deployment Scenarios in Broadband Access Networks as WG item

Mar 05 Adopt document describing how to use IPsec with draft-ietf-v6ops-mech-v2 as WG item

Mar 05 Adopt IPv6 Security Overview as WG item

Mar 05 Adopt IPv6 Network Architecture Protection as WG item

Apr 05 Submit document describing issues with NAT-PT to IESG for Info

Apr 05 Submit IPv6 deployment using VLANs to IESG for Info

Apr 05 Ensure draft-ietf-v6ops-v6onbydefault keeps going forward for RFC publication

May 05 Submit document on IPsec w/ draft-ietf-v6ops-mech-v2 to IESG for Info

Jun 05 Submit Enterprise Deployment Analysis to IESG for Info

Jun 05 Submit IPv6 Network Architecture Protection to IESG for Info  
Jul 05 Submit IPv6 Security Overview to IESG for Info  
Jul 05 Submit ISP IPv6 Deployment Scenarios in Broadband Access Networks  
to IESG for Info

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

- o IP over Resilient Packet Rings (iporpr) - 2 of 2  
Token: Mark Townsley

#### IP Over Resilient Packet Rings (iporpr)

---

Last Modified: 2005-03-30

##### Chair(s):

Glenn Parsons <gparsons@nortel.com>

##### Internet Area Director(s):

W. Mark Townsley <townsley@cisco.com>

Margaret Wasserman <margaret@thingmagic.com>

##### Internet Area Advisor:

W. Mark Townsley <townsley@cisco.com>

##### Mailing Lists:

General Discussion: iporpr@ietf.org

To Subscribe: iporpr-request@ietf.org

In Body: subscribe iporpr

Archive: <http://www.ietf.org/mail-archive/web/iporpr/index.html>

##### Description of Working Group:

Resilient Packet Rings (RPR), developed within the IEEE 802.17 RPR WG, provides substantial enhancements in both efficiency and flexibility over current bi-directional ring topologies. Benefits of resilient packet rings include spatial re-use (full utilization of both counter-rotating rings) while maintaining protection switching during media faults, as well as defined mechanisms for topology discovery, congestion control, and protection switching.

Reference the IEEE 802.17 RPR WG at <http://www.ieee802.org/17/> for

further  
information. IEEE 802.17-2004 is currently published and work is in  
progress on  
bridging enhancements.

The IPORPR Working Group will produce two documents:

- 1) An IPORPR definition of how to transport IP/MPLS over 802.17 RPR in "basic mode". This document will cover encapsulation formats (e.g., IPv4/IPv6), how to perform address resolution (e.g., ARP/ND), IP multicast transmission, priority mapping to the RPR "serviceClass", etc.
- 2) An IPORPR framework that goes beyond "basic mode," describing some of the features and characteristics of 802.17 RPR, and how they might be exploited by, e.g., IP or MPLS. For example, an RPR ring can be accessed in a number of ways: it can be viewed as a "dumb" LAN supporting traditional broadcast like Ethernet ("basic mode"), or its advanced features could be exploited.

The IPoRPR WG will coordinate its activities with other appropriate standards bodies and encourage cross participation with those bodies. Coordination will take place with the following bodies in particular: IEEE 802.17 (<http://www.ieee802.org/17/>) - ITU-T SG15 Q9, 11, 12 (<http://www.itu.int/ITU-T/studygroups/com15/sg15.html>)

Goals and Milestones:

May 05 Publish draft IPoRPR definition for "basic mode"  
Jun 05 Publish draft IPoRPR framework document.  
Aug 05 Submit final draft of definition to the IESG for  
Proposed Standard Status.  
Sep 05 Submit final draft of framework to the IESG for  
Informational Status.

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.2 Proposed for Approval

NONE

#### 5. Working Group News We Can Use

Brian Carpenter

Bill Fenner  
Ted Hardie  
Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Jon Peterson  
Mark Townsley  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

## 6. IAB News We Can Use

## 7. Management Issues

### 7.1 WG Chartering/Re-Chartering (David Kessens)

### 7.2 IESG Projects (Allison Mankin)

Should the Projects and Projects Page be public?

The IESG does a lot of work with community implications, which is not clearly reported until it ends, if then. This is partly logistical habit, because if one reviews the project page, the details there do not appear to be sensitive; the projects reflect positive energy (though it would be better if they had recent progress updates, as Jon has been requesting).

What about a proposal to make this material publicly visible? We obviously have to avoid any personnel or other sensitive material that we might be tempted to place there; we need to discuss what this would be. Please review what's there to see if you think this proposal makes sense.

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id LAA24135  
for <iesg-archive@lists.ietf.org>; Mon, 25 Apr 2005 11:22:41 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1DQ50w-0002Bt-7S; Mon, 25 Apr 2005 11:21:34 -0400  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1DQ50v-0002Bo-6i  
for iesg@megatron.ietf.org; Mon, 25 Apr 2005 11:21:33 -0400  
Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id LAA23997  
for <iesg@ietf.org>; Mon, 25 Apr 2005 11:21:30 -0400 (EDT)  
Received: from rt.icann.org ([192.0.34.49])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1DQ5bA-0004q3-SX  
for iesg@ietf.org; Mon, 25 Apr 2005 11:34:14 -0400  
Received: from rt.icann.org (localhost.icann.org [127.0.0.1])  
by rt.icann.org (8.13.1/8.13.1) with ESMTP id j3PFLNa0015545  
for <iesg@ietf.org>; Mon, 25 Apr 2005 08:21:23 -0700 (PDT)  
(envelope-from www@rt.icann.org)  
Received: (from www@localhost)  
by rt.icann.org (8.13.1/8.13.1/Submit) id j3PFLNf9015544;  
Mon, 25 Apr 2005 08:21:23 -0700 (PDT) (envelope-from www)  
Date: Mon, 25 Apr 2005 08:21:23 -0700 (PDT)  
From: "Michelle Cotton via RT" <iana-drafts@icann.org>  
In-Reply-To: <rt-66@rt.icann.org>  
Message-ID: <rt-3.2.2-66-25727-6.4.00363610825522@icann.org>  
Precedence: bulk  
X-RT-Loop-Prevention: rt.icann.org  
RT-Ticket: rt.icann.org #66  
Managed-by: RT 3.2.2 (<http://www.bestpractical.com/rt/>)  
RT-Originator: michelle.cotton@icann.org  
To: iesg@ietf.org  
MIME-Version: 1.0  
Content-Type: text/plain; charset="utf-8"  
X-RT-Original-Encoding: utf-8  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: 67c1ea29f88502ef6a32ccec927970f0  
Subject: [rt.icann.org #66] Evaluation: draft-hoffman-telnet-uri-04.txt  
to

Proposed Standard

X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Reply-To: iana-drafts@icann.org  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>

Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

IANA OK. Comments in tracker.  
IANA Actions.

Michelle Cotton  
(on behalf of IANA)

>  
> -----Original Message-----  
> From: iesg-bounces@ietf.org [mailto:iesg-bounces@ietf.org] On Behalf  
Of IESG  
> Secretary  
> Sent: Friday, April 15, 2005 11:10 AM  
> To: Internet Engineering Steering Group  
> Subject: Evaluation: draft-hoffman-telnet-uri-04.txt to Proposed  
Standard  
>  
> -----  
>  
> Evaluation for draft-hoffman-telnet-uri-04.txt can be found at  
> [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=1223)  
command=view\_id&dTag=1223  
> 3&rfc\_flag=0  
>  
> Last Call to expire on: 2005-03-04  
>  
> Please return the full line with your position.  
>  
>  
Yes No-Objection Discuss Abstain  
> Brian Carpenter [ ] [ ] [ ] [ ]  
> Bill Fenner [ ] [ ] [ ] [ ]  
> Ted Hardie [ X ] [ ] [ ] [ ]  
> Sam Hartman [ ] [ ] [ ] [ ]  
> Scott Hollenbeck [ ] [ ] [ ] [ ]  
> Russ Housley [ ] [ ] [ ] [ ]  
> David Kessens [ ] [ ] [ ] [ ]  
> Allison Mankin [ ] [ ] [ ] [ ]  
> Jon Peterson [ ] [ ] [ ] [ ]  
> Mark Townsley [ ] [ ] [ ] [ ]  
> Margaret Wasserman [ ] [ ] [ ] [ ]  
> Bert Wijnen [ ] [ ] [ ] [ ]  
> Alex Zinin [ ] [ ] [ ] [ ]  
>  
> 2/3 (9) Yes or No-Objection opinions needed to pass.

>  
> DISCUSSES AND COMMENTS:  
> =====  
>  
>  
>  
>  
> ^L  
> ---- following is a DRAFT of message to be sent AFTER approval ---  
> From: The IESG <iesg-secretary@ietf.org>  
> To: IETF-Announce <ietf-announce@ietf.org>  
> Cc: Internet Architecture Board <iab@iab.org>,  
> RFC Editor <rfc-editor@rfc-editor.org>  
> Subject: Protocol Action: 'The telnet URI Scheme' to Proposed  
Standard  
>  
> The IESG has approved the following document:  
>  
> - 'The telnet URI Scheme '  
> <draft-hoffman-telnet-uri-04.txt> as a Proposed Standard  
>  
> This document has been reviewed in the IETF but is not the product of  
an  
> IETF Working Group.  
>  
> The IESG contact person is Ted Hardie.  
>  
> Technical Summary  
>  
> This document specifies the telnet Uniform Resource Identifier (URI)  
> scheme that was originally specified in RFC 1738. The purpose of  
> this document is to allow RFC 1738 to be made obsolete while keeping  
> the information about the scheme on the standards track and  
> appropriately referenced within the IANA registry.  
>  
> Working Group Summary  
>  
> This document is the product of an individual submitter, but the  
strategy  
> of splitting RFC 1738's registrations was discussed by the URI  
mailing list.  
> The document did receive comments during the IETF last call and an RFC  
> Editor's note has been added in response to one issue raised.  
>  
> Protocol Quality  
>  
> This document was reviewed for the IESG by Ted Hardie.

>  
> RFC Editor Note  
>  
> Please add a normative reference to:  
>  
> [STD0008] Postel, J., and Reynolds, J., "Telnet Protocol  
Specification",  
> STD 0008, May 1983.  
>  
>  
> IESG Note  
>  
> (Insert IESG Note here)  
>  
> IANA Note  
>  
> Please update the registration of the Telnet scheme to point to this  
> document  
> once it has been published.  
>  
>  
>  
>  
>  
>  
>  
>  
>  
>  
>

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA22797  
for <iesg-archive@lists.ietf.org>; Fri, 20 May 2005 18:53:23 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1DZGMG-0002uD-1E; Fri, 20 May 2005 18:52:44 -0400

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1DZGMD-0002u3-61  
for iesg@megatron.ietf.org; Fri, 20 May 2005 18:52:42 -0400

Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id SAA22756

for <iesg@ietf.org>; Fri, 20 May 2005 18:52:38 -0400 (EDT)  
Received: from [132.151.6.50] (helo=newodin.ietf.org)  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1DZGdf-0003Md-AU  
for iesg@ietf.org; Fri, 20 May 2005 19:10:43 -0400  
Received: from apache by newodin.ietf.org with local (Exim 4.43)  
id 1DZGMC-0003k8-CN  
for iesg@ietf.org; Fri, 20 May 2005 18:52:40 -0400  
X-test-idtracker: no  
To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Message-Id: <E1DZGMC-0003k8-CN@newodin.ietf.org>  
Date: Fri, 20 May 2005 18:52:40 -0400  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: 31247fb3be228bb596db9127becad0bc  
Subject: Evaluation: draft-hoffman-gopher-uri-03.txt to Proposed  
Standard  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

-----

Evaluation for draft-hoffman-gopher-uri-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12230&rfc_flag=0)  
[command=view\\_id&dTag=12230&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12230&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                  | Yes   | No-Objection | Discuss | Abstain |
|------------------|-------|--------------|---------|---------|
| Brian Carpenter  | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner      | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie       | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman      | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Russ Housley       | [ ] | [ ] | [ ] | [ ] |
| David Kessens      | [ ] | [ ] | [ ] | [ ] |
| Allison Mankin     | [ ] | [ ] | [ ] | [ ] |
| Jon Peterson       | [ ] | [ ] | [ ] | [ ] |
| Mark Townsley      | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The gopher URI Scheme' to Proposed Standard

The IESG has approved the following document:

- 'The gopher URI Scheme '  
<draft-hoffman-gopher-uri-03.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document specifies the gopher Uniform Resource Identifier (URI) scheme that was originally specified in RFC 1738. The purpose of this document is to allow RFC 1738 to be made obsolete while keeping the information about the scheme on the standards track and appropriately referenced within the IANA registry.

#### Working Group Summary

This document is the product of an individual submitter, but the strategy

of splitting RFC 1738's registrations was discussed by the URI mailing list.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id UAA15954  
for <iesg-archive@lists.ietf.org>; Mon, 23 May 2005 20:02:12 -0400  
(EDT)

Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)

by megatron.ietf.org with esmtp (Exim 4.32)  
id 1DaMoo-0003KE-KW; Mon, 23 May 2005 19:58:46 -0400

Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1DaMon-0003K5-4E  
for iesg@megatron.ietf.org; Mon, 23 May 2005 19:58:45 -0400

Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id TAA15654;  
Mon, 23 May 2005 19:58:44 -0400 (EDT)

Message-Id: <200505232358.TAA15654@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org  
Date: Mon, 23 May 2005 19:58:43 -0400  
Cc: bfuller@foretec.com, amyk@foretec.com

Subject: UPDATED Agenda and Package for May 26, 2005 Telechat  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the May 26, 2005 IESG Teleconference

This agenda was generated at 18:41:26 EDT, May 23, 2005

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-adslmib-gshdslbis-10.txt  
Definitions of Managed Objects for High Bit-Rate DSL - 2nd generation (HDSL2) and Single-Pair High-Speed Digital Subscriber Line (SHDSL) Lines  
(Proposed Standard) - 1 of 5  
Note: This document is still shepherded by AD (Bert)  
Token: Bert Wijnen

- o draft-ietf-tls-psk-08.txt  
Pre-Shared Key Ciphersuites for Transport Layer Security (TLS)  
(Proposed Standard) - 2 of 5  
Token: Russ Housley
- o draft-ietf-ipdvb-ule-05.txt  
Ultra Lightweight Encapsulation (ULE) for transmission of IP datagrams over an MPEG-2 Transport Stream (Proposed Standard) - 3 of 5  
Token: Margaret Wasserman
- o draft-ietf-ipv6-optimistic-dad-05.txt  
Optimistic Duplicate Address Detection for IPv6 (Proposed Standard) - 4 of 5  
Token: Margaret Wasserman
- o draft-ietf-enum-void-01.txt  
IANA Registration for Enumservice VOID (Proposed Standard) - 5 of 5  
Note: Last Call ends 5/25 (no controversy expected). PROTO shepherd Rich Shockey rich@shockey.us  
Token: Allison Mankin

#### 2.1.2 Returning Item

- o draft-ietf-dhc-leasequery-08.txt  
DHCP Lease Query (Proposed Standard) - 1 of 1  
Note: Returning to update the status of current discusses from Ted, Russ and Bert, to resolve the status of old discusses from Thomas and Steve, and to determine what blocking issues (if any) remain in the latest version of this document.&nbsp; Thanks.  
Token: Margaret Wasserman

### 2.2 Individual Submissions

#### 2.2.1 New Item

- o draft-gellens-mime-bucket-03.txt  
The Codecs Parameter for "Bucket" Media Types (Proposed Standard) - 1 of 2  
Token: Allison Mankin
- o draft-hoffman-gopher-uri-03.txt  
The gopher URI Scheme (Proposed Standard) - 2 of 2  
Token: Ted Hardie

#### 2.2.2 Returning Item

NONE

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item

NONE

##### 3.1.2 Returning Item

NONE

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.2.1 New Item

- o draft-adrangi-eap-network-discovery-13.txt  
Identity selection hints for Extensible Authentication Protocol (EAP)  
(Informational) - 1 of 5  
Token: Margaret Wasserman
- o draft-ietf-tools-draft-submission-09.txt  
Requirements for an IETF Draft Submission Toolset (Informational) - 2 of 5  
Token: Brian Carpenter
- o draft-lilly-text-troff-03.txt  
Media subtype registration for media type text/troff (Informational) - 3 of 5  
Token: Scott Hollenbeck
- o draft-mraihi-oath-hmac-otp-04.txt  
HOTP: An HMAC-based One Time Password Algorithm (Informational) - 4 of 5  
Token: Russ Housley
- o draft-lee-rfc4009bis-01.txt  
The SEED Encryption Algorithm (Informational) - 5 of 5  
Token: Russ Housley

### 3.2.2 Returning Item

#### o Three-document ballot: - 1 of 1

##### - draft-katz-submitter-01.txt

SMTP Service Extension for Indicating the Responsible Submitter

of an

E-mail Message (Experimental)

Note: Revision received; please review 01

##### - draft-lyon-senderid-core-01.txt

Sender ID: Authenticating E-Mail (Experimental)

Note: Sent to dea-dir

##### - draft-lyon-senderid-pra-01.txt

Purported Responsible Address in E-Mail Messages (Experimental)

Note: Sent to dea-dir

Token: Ted Hardie

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.1 New Item

NONE

#### 3.3.2 Returning Item

NONE

### 4. Working Group Actions

#### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

#### o Layer 1 Virtual Private Networks (l1vpn) - 1 of 1

Token: Alex Zinin

##### 4.1.2 Proposed for Approval

NONE

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

NONE

##### 4.2.2 Proposed for Approval

#### o ADSL MIB (adslmib) - 1 of 1

Token: Bert Wijnen

### 5. IAB News We can use

### 6. Management Issue

### 7. Agenda Working Group News

-----  
-----

INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the May 26, 2005 IESG Teleconference

This package was generated at 18:41:26 EDT, May 23, 2005.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, May 26, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Brian Carpenter---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in

David Kessens---Will call in  
Allison Mankin---Will call in  
Dave Meyer---Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Barbara Roseman---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

| Country              | Number      |
|----------------------|-------------|
| Argentina Dial-In #: | 08006660275 |
| Australia Dial-In #: | 1800004017  |
| Austria Dial-In #:   | 0800293225  |
| Bahamas Dial-In #:   | 18003890371 |

Belgium Dial-In #: 080070189  
Brazil Dial-In #: 08008916634  
China Dial-In #: 108001400446  
Colombia Dial-In #: 018009198732  
Czech Republic Dial-In #: 800142528  
Denmark Dial-In #: 80880221  
Dominican Republic Dial-In #: 18887514594  
Finland Dial-In #: 0800112488  
France Dial-In #: 0800917496  
Germany Dial-In #: 08001818365  
Greece Dial-In #: 0080016122038903  
Hong Kong Dial-In #: 800901760  
Hungary Dial-In #: 0680015661  
Iceland Dial-In #: 8008234  
Indonesia Dial-In #: 008800105397  
Ireland Dial-In #: 1800550668  
Israel Dial-In #: 1809458905  
Japan Dial-In #: 00531160236  
Korea (South) Dial-In #: 00308140464  
Latvia Dial-In #: 8002033  
Lithuania Dial-In #: 880030145  
Luxembourg Dial-In #: 80024217  
Malaysia Dial-In #: 1800807300  
Mexico Dial-In #: 0018005148732  
Monaco Dial-In #: 80093175  
Netherlands Dial-In #: 08000235265  
New Zealand Dial-In #: 0800441382  
Norway Dial-In #: 80013184  
Poland Dial-In #: 008001114592  
Portugal Dial-In #: 800819682  
Puerto Rico Dial-In #: 18664031409  
Russian Federation Dial-In #: 81080022581012  
Saint Kitts and Nevis Dial-In #: 18007449294  
South Africa Dial-In #: 0800994887  
Spain Dial-In #: 900981518  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905  
Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND

THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

### 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*

INTERNET ENGINEERING STEERING GROUP (IESG)

Minutes of the May 12, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

#### ATTENDEES

-----  
Brian Carpenter / IBM  
Michelle Cotton / ICANN  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / Verisign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Dave Meyer / Cisco/University of Oregon (IAB Liaison)  
Jon Peterson / NeuStar, Inc.  
Joyce K. Reynolds / RFC Editor  
Barbara Roseman / ICANN (IANA)  
Dinara Suleymanova / IETF Secretariat  
Mark Townsley / Cisco  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / Nokia  
Bert Wijnen / Lucent  
Alex Zinin / Alcatel

#### REGRETS

-----  
Leslie Daigle / IAB

#### MINUTES

#### 1. Administrivia

##### 1.1 Approval of the Minutes

The minutes of the April 25, 2005 Teleconference were approved. The Secretariat will place the minutes in the public archives

## 1.2 Documents Approved since the April 25, 2005 IESG Teleconference

### 1.2.1 Protocol Actions

- o draft-huitema-v6ops-teredo-05.txt (Proposed Standard)
- o draft-ietf-opes-http-03.txt (Proposed Standard)
- o draft-ietf-sigtran-rfc3057bis-02.txt (Proposed Standard)
- o draft-ietf-sipping-dialog-package-06.txt (Proposed Standard)
- o draft-malamud-keyword-discovery-05.txt (Proposed Standard)

### 1.2.2 Document Actions

- o draft-burger-sipping-netann-11.txt (Informational RFC)
- o draft-dolan-urn-isdn-01.txt (Informational RFC)
- o draft-dtessman-urn-namespace-federated-content-03.txt (Informational RFC)
- o draft-ietf-ccamp-sdhsonet-control-05.txt (Informational RFC)
- o draft-ietf-ieprep-framework-10.txt (Informational RFC)
- o draft-ietf-ipdvb-arch-04.txt (Informational RFC)
- o draft-ietf-l3vpn-mgt-fwk-08.txt (Informational RFC)
- o draft-ietf-rddp-arch-07.txt (Informational RFC)

## 1.3 Review of Action Items

### DONE:

- o Allison Mankin to craft IESG response to the Roberts (ipv6-parameter) Request for Assignments.

### DELETED:

### NONE

### IN PROGRESS:

- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.
- o Ted Hardie and Allison Mankin to write a draft on media type registry futures for review by the community.

### NEW:

- o Jon Peterson to prepare the IESG Projects list to be public.

## 1.4 Review of Projects

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-l3vpn-mpls-vpn-mib-07.txt - 1 of 7

MPLS/BGP Layer 3 Virtual Private Network Management Information Base  
(Proposed Standard)

Token: Mark Townsley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Mark Townsley. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

- o draft-ietf-l3vpn-tc-mib-06.txt - 2 of 7

Definition of Textual Conventions for Virtual Private Network (VPN)  
Management (Proposed Standard)

Token: Mark Townsley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Mark Townsley. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

- o draft-ietf-avt-rtp-bv-04.txt - 3 of 7

RTP Payload Format for BroadVoice Speech Codecs (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Scott Hollenbeck and Russ Housley.\*

- o draft-ietf-dhc-lifetime-03.txt - 4 of 7

Information Refresh Time Option for DHCPv6 (Proposed Standard)

Token: Margaret Wasserman

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

- o draft-ietf-dhc-vendor-suboption-00.txt - 5 of 7

Vendor-Specific Information Suboption for the DHCP Relay Agent Option  
(Proposed Standard)

Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Bert Wijnen and Alex Zinin.\*

o draft-ietf-dhc-3315id-for-v404.txt - 6 of 7  
Node-Specific Client Identifiers for DHCPv4 (Proposed Standard)  
Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Brian Carpenter, Russ Housley, David Kessens, and Bert Wijnen.\*

o draft-ietf-ipv6-addr-arch-v4-03.txt - 7 of 7  
IP Version 6 Addressing Architecture (Draft Standard)  
Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley.\*

#### 2.1.2 Returning Item

NONE

### 2.2 Individual Submissions

#### 2.2.1 New Item

o draft-rescorla-dtls-04.txt - 1 of 3  
Datagram Transport Layer Security (Proposed Standard)  
Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Allison Mankin.\*

o draft-kato-ipsec-ciph-camellia-01.txt - 2 of 3  
The Camellia Cipher Algorithm and Its Use With IPsec (Proposed Standard)  
Token: Russ Housley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Russ Housley. The Secretariat will send an individual submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-mrose-rfc3288bis-01.txt - 3 of 3  
Using the Simple Object Access Protocol (SOAP) in Blocks Extensible Exchange Protocol (BEEP) (Proposed Standard)  
Token: Scott Hollenbeck

The document remains under discussion by the IESG in order to resolve

points raised by Russ Housley. \*

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-sipping-conferencing-framework-04.txt - 1 of 2

A Framework for Conferencing with the Session Initiation Protocol  
(Informational)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman and Russ Housley.\*

o draft-ietf-sipping-conferencing-requirements-01.txt - 2 of 2

High Level Requirements for Tightly Coupled SIP Conferencing  
(Informational)

Token: Allison Mankin

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

#### 3.1.2 Returning Item

NONE

### 3.2 Individual Submissions Via AD

#### 3.2.1 New Item

o draft-lilly-field-specification-03.txt - 1 of 1

Implementer-friendly Specification of Message and MIME-Part Header  
Fields and Field Components (Informational)

Token: Scott Hollenbeck

The document remains under discussion by the IESG in order to resolve points raised by Ted Hardie.\*

#### 3.2.2 Returning Item

NONE

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

o draft-eastlake-prominence-02.txt - 1 of 1

How to Gain Prominence and Influence in Standards Organizations  
(Informational)

Token: Brian Carpenter

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be prepared by Brian Carpenter.

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

o Site Multihoming by IPv6 Intermediation (shim6) - 1 of 1

Token: Margaret

The IESG decided not to approve the draft WG charter for IETF review this time. The Secretariat will wait for instructions from Margaret Wasserman.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.2 Proposed for IETF Approval

NONE

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

o ADSL MIB (adslmib) - 1 of 1

Token: Bert Wijnen

The IESG decided that the charter must go for External Review. The Secretariat will send a Working Group Review: RECHARTER announcement, with a separate message to new-work. The Secretariat will place it back on the agenda for the next IESG Teleconference (05/26/2005).

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.2 Proposed for IETF Approval

NONE

## 5. IAB News We Can Use

## 6. Management Issues

### 6.1 IESG Projects (Allison Mankin)

This management issue was discussed. The IESG decided to make the IESG Projects List public.

Action Item: Jon Peterson to prepare the IESG Projects list to be public.

### 6.2 GSAKMP IANA Expert (Russ Housley)

This management issue was discussed. The Secretariat will send a message to IANA with a copy to the IESG regarding the new GSAKMP IANA Experts.

Primary Expert: Hugh Harney, Secondary Expert: Andrea Colgrove.

### 6.3 Approval of Roberts IANA response (Sam Hartman)

This management issue was discussed.

### 6.4 Expedited Handling Request for draft-malamud-keyword-discovery-05 (Scott Hollenbeck)

This management issue was discussed. The IESG decided to exceptionally approve the request to expedite handling of draft-malamud-keyword-discovery-05 and draft-malamud-subject-line-05, since it is expected that they will be cited in an official report to a major legislature within a few weeks. The Secretariat will send an expedited handling request to the RFC Editor.

### 6.5 Expedited Handling Request for two AVT documents (Allison Mankin)

This management issue was discussed. The IESG decided to approve the expedited handling of draft-ietf-avt-text-red-05 and draft-ietf-avt-2793bis-07. The Secretariat will send an expedited handling request to the RFC Editor.

## 7. Working Group News We Can Use

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\* Please see the ID Tracker

(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details on documents that are under discussion by the IESG.

## 1. Administrivia

### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: May 16, 2005

IP o Allison Mankin and Thomas Narten to compose a message for the IESG and

IAB related to 3GPP's Release 6 publication deadline and expedited documents.

IP o Ted Hardie and Allison Mankin to write a draft on media type registry futures

for review by the community

IP o o Jon Peterson to prepare the IESG Projects list to be public.

## 1. Administrivia

### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 5

o draft-ietf-adslmib-gshdslbis-10.txt

Definitions of Managed Objects for High Bit-Rate DSL - 2nd generation

(HDSL2) and Single-Pair High-Speed Digital Subscriber Line (SHDSL) Lines

(Proposed Standard)

Note: This document is still shepherded by AD (Bert)

Token: Bert Wijnen

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-adslmib-gshdslbis-10.txt to Proposed Standard

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Evaluation for draft-ietf-adslmib-gshdslbis-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11665&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11665&rfc_flag=0)

Last Call to expire on: 2005-05-04

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ X ] | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

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^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

adslmib mailing list <adslmib@ietf.org>,

adslmib chair <sneedmike@hotmail.com>,

adslmib chair <rarray@pesa.com>

Subject: Protocol Action: 'Definitions of Managed Objects for High  
Bit-Rate DSL - 2nd generation (HDSL2) and Single-Pair High-  
Speed

Digital Subscriber Line (SHDSL) Lines' to Proposed Standard

The IESG has approved the following document:

- 'Definitions of Managed Objects for High Bit-Rate DSL - 2nd generation (HDSL2) and Single-Pair High-Speed Digital Subscriber Line (SHDSL) Lines '  
<draft-ietf-adslmib-gshdslbis-10.txt> as a Proposed Standard

This document is the product of the ADSL MIB Working Group.

The IESG contact persons are Bert Wijnen and David Kessens.

#### Technical Summary

This document defines a Management Information Base (MIB) module for use with network management protocols in the Internet community. In particular, it describes objects used for managing High Bit-Rate Digital Subscriber Line (DSL) - 2nd generation (HDSL2) and Single-Pair High-Speed Digital Subscriber Line (SHDSL) interfaces. This document introduces extensions to several objects and textual conventions defined in HDSL2-SHDSL-Line MIB (RFC 3276). This document obsoletes RFC 3276.

#### Working Group Summary

The Working Group has consensus to publish this document as a Proposed Standard.

#### Protocol Quality

This document has been reviewed for the IESG by Randy Presuhn, Mike Heard and Bert WIjnen.

#### RFC Editor Note

non

#### IESG Note

nobe

#### IANA Note

none

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 5

- o draft-ietf-tls-psk-08.txt

Pre-Shared Key Ciphersuites for Transport Layer Security (TLS)

(Proposed

Standard)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-tls-psk-08.txt to Proposed Standard

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Evaluation for draft-ietf-tls-psk-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11875&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11875&rft_flag=0)

Last Call to expire on: 2005-04-01

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

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Ted Hardie:

Comment [2005-05-23]:

The document says:

IANA does not currently have a registry for TLS-related numbers, so there are no IANA actions associated with this document.

Note that IANA does have a TLS-related compression registry:

<http://www.iana.org/assignments/comp-meth-ids>

I also kind of think that a registry TLS ciphersuites wouldn't be a bad idea; not a job for this document, obviously, but it does seem useful.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

tls mailing list <tls@lists.ietf.org>,

tls chair <treese@acm.org>,

tls chair <ekr@rtfm.com>

Subject: Protocol Action: 'Pre-Shared Key Ciphersuites for Transport Layer Security (TLS)' to Proposed Standard

The IESG has approved the following document:

- 'Pre-Shared Key Ciphersuites for Transport Layer Security (TLS) ' <draft-ietf-tls-psk-07.txt> as a Proposed Standard

This document is the product of the Transport Layer Security Working Group.

The IESG contact persons are Russ Housley and Sam Hartman.

Technical Summary

This document specifies three sets of new ciphersuites for the Transport Layer Security (TLS) protocol to support authentication based on pre-shared symmetric keys. The first set of ciphersuites uses only symmetric key operations for authentication. The second set uses a Diffie-Hellman exchange authenticated with a pre-shared key; and the third set combines public key authentication of the server with pre-shared key authentication of the client.

## Working Group Summary

The TLS Working Group reached consensus on this document.

## Protocol Quality

This document was reviewed by Russ Housley for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 5

- o draft-ietf-ipdvb-ule-05.txt  
Ultra Lightweight Encapsulation (ULE) for transmission of IP datagrams over  
an MPEG-2 Transport Stream (Proposed Standard)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ipdvb-ule-05.txt to Proposed Standard

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Evaluation for draft-ietf-ipdvb-ule-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11634&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11634&rft_flag=0)

Last Call to expire on: 2005-05-16

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ipdvb mailing list <ipdvb@erg.abdn.ac.uk>,

ipdvb chair <gorry@erg.abdn.ac.uk>

Subject: Protocol Action: 'Ultra Lightweight Encapsulation (ULE) for  
transmission of IP datagrams over an MPEG-2 Transport Stream'

to

Proposed Standard

The IESG has approved the following document:

- 'Ultra Lightweight Encapsulation (ULE) for transmission of IP  
datagrams over

an MPEG-2 Trream '

<draft-ietf-ipdvb-ule-05.txt> as a Proposed Standard

This document is the product of the IP over DVB Working Group.

The IESG contact persons are Margaret Wasserman and Mark Townsley.

### Technical Summary

The MPEG-2 Transport Stream (TS) has been widely accepted not only for providing digital TV services, but also as a subnetwork technology for building IP networks.

This document describes an Ultra Lightweight Encapsulation (ULE) mechanism for the transport of IPv4 and IPv6 Datagrams and other network protocol packets directly over the ISO MPEG-2 Transport Stream as TS Private Data. ULE specifies a base encapsulation format and supports an extension format that allows it to carry additional header information to assist in network/Receiver processing.

### Working Group Summary

This document was produced by the IPDVB working group. Its contents represent the consensus of the group.

### Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 5

- o draft-ietf-ipv6-optimistic-dad-05.txt  
Optimistic Duplicate Address Detection for IPv6 (Proposed Standard)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ipv6-optimistic-dad-05.txt to Proposed  
Standard

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Evaluation for draft-ietf-ipv6-optimistic-dad-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11651&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11651&rfc_flag=0)

Last Call to expire on: 2005-05-16

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-23]:

Possible clarifications from review by Spencer Dawkins:

... it's confusing to new readers that "standard DAD" isn't defined -  
there's  
nothing called DAD except optimistic DAD until Section 4.4). Maybe this  
is OK. I  
wish the abbreviation was ODAD, though.

In Section 1.1, I would really like to see explicit numbers here - what  
is the  
delay before an address can be used when an IPv6 node uses ND or SLAAC,

and what  
is the corresponding delay using optimistic DAD? I've seen enough IETF  
discussion of fast handoff, etc. to suspect that some people will be  
hoping this  
is the 50-ms fast handoff solution... I think I can figure the numbers  
out from  
RFC 2641, but you guys already know what you're thinking!

I'm a little confused by the text in 3.2 - up to this point, Optimistic  
DAD is  
described as safe, so why is its use SHOULD NOT "unless the probability  
of  
collision is exceedingly small"? Just a sentence or two would be good,  
but  
there's no discussion of this point until Section 4.2.

In Section 4.2, "the ON will hopefully know all it needs to know about  
the  
router from the initial RA" is really informal text, even for a non-  
normative  
section. Could you add a phrase detailing the kind of things the ON  
hopefully  
knows?

Appendix A is pretty helpful, but I didn't see any reference to it in  
the rest  
of the text. A pointer would be nice, especially somewhere near Section  
4.2,  
which discusses collision probability concerns.

Ted Hardie:

Comment [2005-05-23]:

In 4.3, I found this a bit hard to parse:

Once the Optimistic Address has completed DAD, it acts exactly like a  
normal address, and so interoperation cases only arise while the  
address is Optimistic.

I assume it means that the special rules for Optimistic Addresses aren't  
applicable once the Address is marked Preferred or Deprecated. I think  
that is clear enough without saying it again here, but if you do need  
to,  
some other phrasing might be needed.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ipv6 mailing list <ipv6@ietf.org>,

ipv6 chair <bob.hinden@nokia.com>,

ipv6 chair <brian@innovationslab.net>

Subject: Protocol Action: 'Optimistic Duplicate Address Detection for IPv6' to Proposed Standard

The IESG has approved the following document:

- 'Optimistic Duplicate Address Detection for IPv6 '  
<draft-ietf-ipv6-optimistic-dad-05.txt> as a Proposed Standard

This document is the product of the IP Version 6 Working Group Working Group.

The IESG contact persons are Margaret Wasserman and Mark Townsley.

#### - Technical Summary

Optimistic Duplicate Address Detection is an interoperable modification of the existing IPv6 Neighbor Discovery (RFC2461) and Stateless Address Autoconfiguration (RFC2462) process. The intention is to minimize address configuration delays in the successful case, to reduce disruption as far as possible in the failure case and to remain interoperable with unmodified hosts and routers.

#### - Working Group Summary

The IPv6 working group has done extensive review of this document and this document reflects the consensus of the group.

#### - Protocol Quality

This document has been reviewed by members of the ipv6@ietf.org mailing list and by the working group chairs.

This document was reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 5

- o draft-ietf-enum-void-01.txt

IANA Registration for Enumservice VOID (Proposed Standard)

Note: Last Call ends 5/25 (no controversy expected). PROTO shepherd

Rich

Shockey rich@shockey.us

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-enum-void-01.txt to Proposed Standard

-----

Evaluation for draft-ietf-enum-void-01.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12358&rfc_flag=0)

[command=view\\_id&dTag=12358&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12358&rfc_flag=0)

Last Call to expire on: 2005-05-25

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |

Bert Wijnen            [   ]        [   ]        [   ]        [   ]  
Alex Zinin            [   ]        [   ]        [   ]        [   ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

    RFC Editor <rfc-editor@rfc-editor.org>,

    enum mailing list <enum@ietf.org>,

    enum chair <paf@cisco.com>,

    enum chair <rich.shockey@neustar.biz>

Subject: Protocol Action: 'IANA Registration for Enumservice VOID' to  
        Proposed Standard

The IESG has approved the following document:

- 'IANA Registration for Enumservice VOID '  
    <draft-ietf-enum-void-01.txt> as a Proposed Standard

This document is the product of the Telephone Number Mapping Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

#### Technical Summary

This document registers the Enumservice 'void' using the URI schemes 'mailto:' and 'http:' as per the IANA registration process defined in the ENUM specification, RFC3761. This Enumservice may be used to indicate that the E.164 number (or E.164 number range) tied to the domain in which the enclosing NAPTR is published is not assigned for communications service. When such an indication is provided, an ENUM client can distinguish calls that will fail for non-DNS causes.

#### Working Group Summary

The working group found this service both useful and well-defined.

## Protocol Quality

Allison Mankin was the reviewing Area Director for the IESG. This service has been reported in use by the authors.

## Note to the RFC Editor

None

## IESG Note

None

## Note to the IANA

None

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 1 of 1

- o draft-ietf-dhc-leasequery-08.txt

DHCP Lease Query (Proposed Standard)

Note: Returning to update the status of current discusses from Ted, Russ

and Bert, to resolve the status of old discusses from Thomas and Steve, and

to determine what blocking issues (if any) remain in the latest version of

this document.&nbsp; Thanks.

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dhc-leasequery-08.txt to Proposed Standard

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Evaluation for draft-ietf-dhc-leasequery-08.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=6297&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6297&rfc_flag=0)

Last Call to expire on: 2003-12-22

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ X ]   | [ ]     |
| Sam Hartman        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Alex Zinin         | [ ]   | [ X ]        | [ ]     | [ ]     |

|                   |     |       |       |     |
|-------------------|-----|-------|-------|-----|
| Harald Alvestrand | [ ] | [ X ] | [ ]   | [ ] |
| Steve Bellovin    | [ ] | [ ]   | [ X ] | [ ] |
| Thomas Narten     | [ ] | [ ]   | [ X ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Discuss [2004-04-02]:

This whole method has "invitation to mischief" printed in large, block letters across its shirt. After being told repeatedly that there is no restriction on the use cases for this mechanism, this text:

For this query, the requester supplies only an IP address in the

DHCPLEASEQUERY message. The DHCP server will return any information that it has on the most recent client to have been assigned that IP address.

sets off lots of alarm bells. If I read this right, \*any information\* associated with that IP address is returned? If information used to construct a location object is present (as in the geopriv dhcp-li draft), that would get returned? That seems kind of excessive for an access concentrator, but very, very nice for a black hat. This whole section on Parameter Request List options:

The Parameter Request List option (option 55) SHOULD be set to the options of interest to the requester. The interesting options are likely to include the IP Address Lease Time option (option 51), the Relay Agent Information option (option 82) and possibly the Vendor class identifier option (option 60). In the absence of a Parameter Request List option, the server SHOULD return the same options it would return for a DHCPREQUEST message which didn't contain a DHCPLEASEQUERY message, which includes those mandated by [RFC 2131, Section 4.3.1] as well as any options which the server was configured to always return to a client.

has no restrictions of any type on the return of any data. Why is all of this data being made available via this method?

It's too bad that SNMP is off the table here, as that would give you a realistic way to limit data to specific queries and queriers.

Limiting the protocol to a very specific use that fits the demonstrated need seems like it would make getting the security mechanisms right easier; if this is meant to be truly general purpose, it needs a general purpose mechanism that would give it the same level of security as SNMP would for this same purpose.

Also, why is the exponential backoff for repeated queries a SHOULD here and not a MUST? Are there conditions in which some other backoff is appropriate, but exponential is not? Having any conditions under which there is \*no\* backoff seems pretty bad practice to me....

Russ Housley:

Discuss [2004-03-30]:

Section 7 says:

>

- > DHCP servers SHOULD prevent exposure of location information
- > (particularly the mapping of hardware address to IP address lease,
- > which can be an invasion of broadband subscriber privacy) by
- > employing some form of relay agent authentication between the
- > DHCPLEASEQUERY client and the DHCP server.

>

There needs to be more discussion of the authentication requirements. I would prefer the specification to name a mandatory-to-implement mechanism, but that may be asking too much.

Section 7 also says:

>

- > Clients of the DHCPLEASEQUERY message SHOULD ensure that their data
- > path to the DHCP server is secure.

>

What security services are needed? Integrity, authentication, access control, replay protection confidentiality? The hint about Relay

Agent

Information security, with no reference, is not sufficient.

Comment [2004-03-30]:

Proposed Abstract:

A DHCP server is the authoritative source of IP addresses that it has

provided to to DHCP clients. Other processes and devices that already

make use of DHCP may need to access this information. The leasequery

protocol provides these processes and devices a lightweight way to access IP address information.

Allison Mankin:

Comment [2004-04-02]:

Ted has captured all my concerns. No further objection.

It would probably be a good idea for DHCP to have a guideline draft added to its charter that includes principles:

retransmission MUST use exponential backoff

Options that leak location information MUST use privacy considerations: these were exemplified by the GEOCONF option design.

Bert Wijnen:

Discuss [2004-04-02]:

- Have IPCDN and/or ADSLMIB WGs looked at this?  
Both CABLE and ADSL are used as typical examples of where this functionality would be used/needed. So I like to know what these WGs think of this. I see Rich Woundy as one of the authors, he is IPCDN co-chair, so possibly that aspect is OK.
- It seems to be implicitly IPv4 specific without explaining/justifying why  
and uses "IP address" to mean IPv4 addresses only. Do we not want them to either be IPv4/v6 agnostic or to be specific in stating that they are IPv4 only if such is the case and justified?
- what is the status of this solution vs DHCP MIB solution (I thought they were competing solutions some time back).  
The DHC MIB has also been submitted for PS, no? I know it is still in MIB Doctor review... but it is a 2nd solution to same problem.
- The reasonings for not using SNMP and MIB seem very weak to me

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <dhcwg@ietf.org>

Subject: Protocol Action: 'DHCP Lease Query' to Proposed Standard

The IESG has approved following document:

- 'DHCP Lease Query '  
<draft-ietf-dhc-leasequery-06.txt> as a Proposed Standard

This document is the product of the Dynamic Host Configuration Working Group

The IESG contact persons are Margaret Wasserman and Thomas Narten.

## Technical Summary

A DHCP server contains considerable authoritative information concerning the IP addresses it has leased to DHCP clients. Other processes and devices, many that already send and receive DHCP format packets, sometimes need to access this information. The leasequery protocol is designed to give these processes and devices a lightweight way to access information that may be critical to their operation.

## Working Group Summary

This document is a work item of the DHC WG, and it represents the consensus of the group. It was updated substantially based on comments from Thomas Narten.

## Protocol Quality

This document has been reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 1 of 2

- o draft-gellens-mime-bucket-03.txt

The Codecs Parameter for "Bucket" Media Types (Proposed Standard)  
Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-gellens-mime-bucket-03.txt to Proposed Standard

-----

Evaluation for draft-gellens-mime-bucket-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11898&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11898&rft_flag=0)

Last Call to expire on: 2005-04-11

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-20]:

Editorial comments from Gen-ART review by Mary Barnes:

- Section 2, page 4: The paragraph starting with "Specifically," isn't grammatically correct at all. I would suggest changing the "Specifically," to "This document specifically supports the following:" and then replacing the "." with "," in the first three bullets and placing an "and" at the end of the third bullet. Also, the indentation for the first bullet is incorrect.

Per Fr»ujdh: The intention of this paragraph is not to say what the document supports, but to indicate the dimension of the current situation that the

document addresses and resolves. The intention is to give specific examples:

"Specifically, X can contain a, b or c. Y can contain d, e or f" etc.

Although

I'm not a native speaker of English, I believe the paragraph would be grammatically correct by just making the suggested replacements of "." with "," and adding the "and".

- Section 3, page 5, first paragraph, last sentence is a bit awkward and inconsistent with section 4: I would suggest to simplify that sentence as "Future

types which contain ambiguity are strongly encouraged to include this parameter." The normative inclusion of the parameter is appropriately addressed

in section 4. If you feel it's important to discuss optionality in this section

of the doc, then that last sentence should be modeled after section 4;

e.g. "For

future media types the parameter may be optional or required, as appropriate."

- Section 3, page 5, third paragraph under "Parameter value": "An element MAY includes..." should be "An element MAY include..."

- Section 5, there's a missing double quote in the "Note:" section.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The Codecs Parameter for "Bucket" Media  
Types' to Proposed Standard

The IESG has approved the following document:

- 'The Codecs Parameter for "Bucket" Media Types '  
<draft-gellens-mime-bucket-03.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an

IETF Working Group.

The IESG contact person is Allison Mankin.

#### Technical Summary

Several MIME type/subtype combinations exist which can contain different media formats (audio/3gpp, video/3gpp, and pending audio/3gpp2, video3gpp2).

A receiving agent receiving these needs to examine the details of such media content to determine if the specific elements can be rendered given an available set of codecs. Especially when the end system has limited resources, or the connection to the end system has limited bandwidth, it would be helpful to be informed from the Content-Type alone if the content can be rendered.

This document adds a new parameter, "codecs", to several type/subtype combinations to allow for unambiguous specification of the codecs indicated by the media formats contained within.

#### Working Group Summary

This is an independent submission, but it was reviewed for structure and overall content by the Audio Video Transport Working Group, and it received review comments on the IETF types mailing list. There were revisions of the draft for both reviews. The four week review of the document for IETF Last Call did not elicit further comments.

#### Protocol Quality

Allison Mankin was the IESG reviewer.

#### Note to the RFC Editor

none

#### Note to the IANA

none

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 2

- o draft-hoffman-gopher-uri-03.txt

The gopher URI Scheme (Proposed Standard)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-hoffman-gopher-uri-03.txt to Proposed Standard

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Evaluation for draft-hoffman-gopher-uri-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12230&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12230&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-23]:

Some editorial comments from Gen-ART review by Elwyn Davies,

- > two queries and an editorial
- > nit:
- > - In the abstract we have 'This document specifies the gopher1 Uniform...'
- > ===
- > I presume this is a mistake rather than intentional and should be 'gopher'.
- > - Although this is not a new scheme, I guess this document ought to have a short
- > IANA considerations section instructing IANA to update the reference for the
- > gopher URI scheme from RFC1738 to whatever RFC this becomes.
- > - Section 3: For consistency in the second sentence:
- > s/gopher protocol/Gopher protocol/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The gopher URI Scheme' to Proposed Standard

The IESG has approved the following document:

- 'The gopher URI Scheme '  
    <draft-hoffman-gopher-uri-03.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

## Technical Summary

This document specifies the gopher Uniform Resource Identifier (URI) scheme that was originally specified in RFC 1738. The purpose of this document is to allow RFC 1738 to be made obsolete while keeping the information about the scheme on the standards track and appropriately referenced within the IANA registry.

## Working Group Summary

This document is the product of an individual submitter, but the strategy of splitting RFC 1738's registrations was discussed by the URI mailing list.

## Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

## RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

### 2.2.2 Returning Item

NONE

### 3.1.1 New Item

NONE

### 3.1.2 Returning Item

NONE

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 1 of 5

o draft-adrangi-eap-network-discovery-13.txt

Identity selection hints for Extensible Authentication Protocol (EAP)

(Informational)

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-adrangi-eap-network-discovery-13.txt to Informational RFC

-----

Evaluation for draft-adrangi-eap-network-discovery-13.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11840&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11840&rfc_flag=0)

Last Call to expire on: 2005-02-11

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-23]:

Review comments from Spencer Dawkins:

...it occurred to me to wonder why this draft wouldn't be published as an Experimental RFC, since it changes the bits on the wire in a Proposed Standard, it's useful but has some scaling problems,...

...a couple of editorial comments.

In the Abstract - "EAP peer" may not be common usage. Is there any clarifying text that could be added to the first sentence?

In the "Security considerations" section, first paragraph, it would be nice to explain a little more about what the peer does when it treats the NAIRealms attribute as a hint.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Mediating Network Discovery in the Extensible Authentication Protocol (EAP)' to Informational RFC

The IESG has approved the following document:

- 'Mediating Network Discovery in the Extensible Authentication Protocol (EAP)

,

<draft-adrangi-eap-network-discovery-07.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Margaret Wasserman.

#### Technical Summary

The Extensible Authentication Protocol (EAP) is defined in RFC 3748. This document defines a mechanism that allows an access network to provide identity selection hints to an EAP peer. The purpose is to assist the EAP peer in selecting an appropriate Network Access Identifier (NAI). This is especially useful when the access network does not have a direct roaming relationship with the peer's home network, so that a mediating network, such as a roaming consortium or broker, is used.

The mechanism defined in this document is primarily intended for advertising connectivity of access network to a limited number of roaming partners that find such advertisement useful.

#### Working Group Summary

This document was an individual submission, but it was reviewed by the EAP WG.

#### Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item - 2 of 5

o draft-ietf-tools-draft-submission-09.txt

Requirements for an IETF Draft Submission Toolset (Informational)

Token: Brian Carpenter

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-tools-draft-submission-09.txt to  
Informational

RFC

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Evaluation for draft-ietf-tools-draft-submission-09.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12281&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12281&rfc_flag=0)

Last Call to expire on: 2005-03-28

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ X ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Requirements for an IETF Draft Submission  
Toolset' to Informational RFC

The IESG has approved the following document:

- 'Requirements for an IETF Draft Submission Toolset '  
<draft-ietf-tools-draft-submission-09.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Brian Carpenter.

#### Technical Summary

This document specifies requirements for a toolset to support Internet-Draft submission, validation and posting.

#### TOOLS Team Summary

This is the result of discussion in the TOOLS team and significant public comment during IETF Last Call. The requirements and their priorities represent rough consensus among the participants.

#### Technical Quality

Brian Carpenter reviewed the specification. It has not been implemented but appears to be implementable.

#### RFC Editor Note

(Insert RFC Editor note here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 3 of 5

- o draft-lilly-text-troff-03.txt

Media subtype registration for media type text/troff (Informational)

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-lilly-text-troff-03.txt to Informational RFC

-----

Evaluation for draft-lilly-text-troff-03.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12602&rfc_flag=0)

[command=view\\_id&dTag=12602&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12602&rfc_flag=0)

Last Call to expire on: 2005-04-29

Please return the full line with your position.

|                 | Yes | No-Objection | Discuss | Abstain |
|-----------------|-----|--------------|---------|---------|
| Brian Carpenter | [ ] | [ X ]        | [ ]     | [ ]     |
| Bill Fenner     | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie      | [ ] | [ ]          | [ ]     | [ ]     |

|                    |       |       |     |     |
|--------------------|-------|-------|-----|-----|
| Sam Hartman        | [ ]   | [ ]   | [ ] | [ ] |
| Scott Hollenbeck   | [ X ] | [ ]   | [ ] | [ ] |
| Russ Housley       | [ ]   | [ X ] | [ ] | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ] | [ ] |
| Allison Mankin     | [ ]   | [ ]   | [ ] | [ ] |
| Jon Peterson       | [ ]   | [ ]   | [ ] | [ ] |
| Mark Townsley      | [ ]   | [ ]   | [ ] | [ ] |
| Margaret Wasserman | [ ]   | [ ]   | [ ] | [ ] |
| Bert Wijnen        | [ ]   | [ ]   | [ ] | [ ] |
| Alex Zinin         | [ ]   | [ ]   | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-20]:

(from Gen-ART review by Elwyn Davies)

...this document appears almost ready for publication. Clearly troff, nroff and their many relations are still hale and hearty and are in regular use (as we know only too well for RFCs) so that this is a useful document and appears to cover the area satisfactorily. There is one item which seems to need improvement and a couple of minor quibbles.

Security Considerations: The second (and last) sentence states: "Additional considerations may apply in some contexts (e.g. MIME [I17.RFC2049])." This is a vague catch-all which I think needs some refinement. I also can't see the relevance of RFC2049.. maybe RFC2046 might be a better reference here? I can't suggest new text because I am unsure what the author means by it.

A couple of quibbles:

The lists of formatters and format converters in 'Applications which use this media type' may not be complete.. I can think of at least one other that has (and may still be around - I am not a xroff user these days) - psroff. Is this intended to be complete? or should it include something like '... and

equivalent  
tools'?

Appendix B: we appreciate that the author has objections to some of the legalistic flights of fancy that are required features of I-Ds and RFCs, but I would venture to suggest that the irony is misplaced here, and may even have been overtaken by events... the boilerplate moves faster than the I-D production process?

Reference to RFC2048: The document should refer to and provide the relevant normative reference to RFC2048 which specifies the format of the registration form at the heart of the document.

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Document Action: 'Media subtype registration for media type text/troff' to Informational RFC

The IESG has approved the following document:

- 'Media subtype registration for media type text/troff '  
<draft-lilly-text-troff-03.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

#### Technical Summary

This document describes a text media subtype for tagging content consisting of juxtaposed text and formatting directives as used by the troff series of programs and for conveying information about the intended processing steps necessary to produce formatted

output. A template to register the text/troff MIME media type in the standards tree is included.

#### Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

#### Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.2.1 New Item - 4 of 5

- o draft-mraihi-oath-hmac-otp-04.txt  
HOTP: An HMAC-based One Time Password Algorithm (Informational)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-mraihi-oath-hmac-otp-04.txt to Informational RFC  
-----

Evaluation for draft-mraihi-oath-hmac-otp-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12469&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12469&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'HOTP: An HMAC-based One Time Password  
Algorithm' to Informational RFC

The IESG has approved the following document:

- 'HOTP: An HMAC-based One Time Password Algorithm '  
<draft-mraihi-oath-hmac-otp-04.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

Technical Summary

This document describes an algorithm to generate one-time password

values, based on HMAC. A security analysis of the algorithm is presented, and important parameters related to the secure deployment of the algorithm are discussed. The proposed algorithm can be used across a wide range of network applications ranging from remote VPN access, Wi-Fi network logon to transaction-oriented Web applications.

This work is a joint effort by the OATH (Open AuTHentication) membership to specify an algorithm that can be freely distributed to the technical community. The authors believe that a common and shared algorithm will facilitate adoption of two-factor authentication on the Internet by enabling interoperability across commercial and open source implementations.

#### Working Group Summary

This is an individual contribution. No IETF WG was involved in the development. The algorithm was presented at the SAAG session during IETF 62 in an attempt to encourage comment and review.

#### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 5 of 5

o draft-lee-rfc4009bis-01.txt

The SEED Encryption Algorithm (Informational)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-lee-rfc4009bis-01.txt to Informational RFC

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Evaluation for draft-lee-rfc4009bis-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13110&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13110&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ X ]   | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Discuss [2005-05-23]:

Apparent text ambiguities (from review by Joel Halpern):

This is nearly ready for publication as an informational RFC. However, it still retains ambiguities that seem distinctly undesirable.

The algorithm in section 2 reads:

Input : (L, R)

for i = 1 to 15

L = R, R = L ^ F(Ki, R)

L = L ^ F(K16, R), R=R

Output : (L, R)

The problem with this is that, as written, this appears to discard the upper 64 bits of key each time through.

I presume that the intent is to save the original R, use the original L and R, and end up with the old R in L and the new R in R. i.e.

$T = R;$

$R = L \wedge F(K_i, R);$

$L = T;$

Presumably the authors intended comma separated expressions in pseudo code to be simultaneous assignment. Most readers won't read it that way. Such usage is at best confusing.

This is also the only section where the lack of explicit definition for the pseudo-code language matters. But it does matter here.

It would be helpful if the division of blocks (or keys) into parts in sections 2 and 2.1 was more explicit (as section 2.2 is) about which part gets the more significant bits, and which part gets the less significant bits. The reader can guess, but guessing is not good specification. Thus, the L and R of section 2 should indicate which block is the most significant 64 bits of the input block. Similarly, Section 2.1 should explicitly indicate which block (R0 and R1) is the more significant 32 bits of R. And Ki0 and Ki1 should explicitly state which portions of the Ki input they correspond to. I believe the authors intended the reader to make assumptions based on the notation (L, R), but since this notation is never defined, such assumptions are unwarranted. Section 2.2 does this properly.

I don't know if it matters, but I can not find the definitions of m0, m1, m2, and m3 in section 2.2. (It does not seem to matter much, since the actual usage of the m's is captured in the relationship between the S and SS values, which are documented in the appendix.)

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The SEED Encryption Algorithm' to \*\*\* YOU  
MUST SELECT AN INTENDED STATUS FOR THIS DRAFT AND REGENERATE  
THIS TEXT

\*\*\*

The IESG has approved the following document:

- 'The SEED Encryption Algorithm '  
    <draft-lee-rfc4009bis-00.txt> as \*\*\* YOU MUST SELECT AN INTENDED  
STATUS FOR  
THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

#### Technical Summary

This document describes the SEED encryption algorithm which has been adopted by most of the security systems in the Republic of Korea. The document includes are a description of the cipher, the key scheduling algorithm, the S-boxes, and a set of test vectors (Appendix B).

#### Working Group Summary

The revision to RFC 4009 was started because the RFC Editor told the author that they do not have the bandwidth to publish errata. It seems

that a revision is the only way to effectively deal with errata. The revision also attempts to add clarity. The SEED algorithm itself is not changed.

This is an individual submission. No working group has reviewed it.

#### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?  
If

not, what changes would make it so?"

### 3.2.2 Returning Item - 1 of 1

o Three-document ballot:

- draft-katz-submitter-01.txt

SMTP Service Extension for Indicating the Responsible Submitter of

an

E-mail Message (Experimental)

Note: Revision received; please review 01

- draft-lyon-senderid-core-01.txt

Sender ID: Authenticating E-Mail (Experimental)

Note: Sent to dea-dir

- draft-lyon-senderid-pra-01.txt

Purported Responsible Address in E-Mail Messages (Experimental)

Note: Sent to dea-dir

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-katz-submitter-01.txt to Experimental RFC,  
draft-lyon-senderid-core-01.txt to Experimental RFC,  
draft-lyon-senderid-pra-01.txt to Experimental RFC

-----

Evaluation for draft-katz-submitter-01.txt, draft-lyon-senderid-  
core-01.txt,  
draft-lyon-senderid-pra-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12540&rfc_flag=0)  
[command=view\\_id&dTag=12540&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12540&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                  | Yes   | No-Objection | Discuss | Abstain |
|------------------|-------|--------------|---------|---------|
| Brian Carpenter  | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner      | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie       | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman      | [ ]   | [ ]          | [ X ]   | [ ]     |
| Scott Hollenbeck | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley     | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens    | [ ]   | [ ]          | [ X ]   | [ ]     |
| Allison Mankin   | [ ]   | [ X ]        | [ ]     | [ ]     |

|                    |     |       |     |     |
|--------------------|-----|-------|-----|-----|
| Jon Peterson       | [ ] | [ ]   | [ ] | [ ] |
| Mark Townsley      | [ ] | [ ]   | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ X ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ X ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ]   | [ ] | [ ] |

|                   |     |       |     |     |
|-------------------|-----|-------|-----|-----|
| Harald Alvestrand | [ ] | [ X ] | [ ] | [ ] |
|-------------------|-----|-------|-----|-----|

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-20]:

I have followed Harald's lead = no objection

Sam Hartman:

Discuss [2005-02-03]:

draft-lyon-senderid-core:

This is an experimental RFC. As such it is not appropriate for this specification to establish requirements for the Internet. Requirements language may be used to describe what people complying with this specification do, but not to describe what the general internet community must do. I found two instances where this spec appears to establish general requirements.

Section 1:

An e-mail sender SHOULD publish information for both tests, and SHOULD arrange that any mail that is sent will pass both tests.

An

e-mail receiver SHOULD perform at least one of these tests.

I'd recommend s/SHOULD/MAY/ throughout the above.

Section 3.4 says:

As described in [SPF], domain administrators are required to publish information in DNS regarding their authorized outbound e-mail servers.

proposed: s/administrators/administrators participating in this experiment/

Scott Hollenbeck:

Discuss [2005-02-16]:

The Sender ID specifications currently reference draft-lentczner-spf-00. That draft has been superceded by draft-schlitt-spf-classic-00. There are some significant differences between the two SPF drafts that might require mods to the Sender ID drafts to preserve older functionality:

1. When the domain name is malformed or when the DNS query returns "non-existent domain", the Schlitt draft now requires receivers to perform a second DNS query at the "zone cut" in order to find an SPF record. When doing the PRA check, the Sender ID drafts specify an immediate "fail." The second DNS query is not needed and can be addressed via an amendment to draft-lyon-senderid-core-00 in order to preserve the currently specified behavior.
2. The Schlitt draft makes a second DNS query at the zone cut mandatory whenever an SPF record for the domain is not found on the first DNS query. The reliability and/or utility of such a check is debatable. In the case of the PRA check, it would appear to require additional DNS queries in very many cases for questionable benefit. draft-lyon-senderid-core-00 could be amended to state that a second query at the zone cut is OPTIONAL when performing a PRA check.

References etc. will need to be cleaned up as well.

Russ Housley:

Discuss [2005-02-03]:

draft-lyon-senderid-core-00 sepcifies SPF version 2. The title should reflect this fact.

Does draft-lyon-senderid-core-00 obsolete the SPF version 1 document?

Comment [2005-02-03]:

A custom IESG note is appropriate for draft-lyon-senderid-core-00. Some of the points raised by David Kessens on the SPF version 1 document (draft-schlitt-spf-classic-00) should be captured there, as they apply equally well to both documents.

David Kessens:

Discuss [2005-02-17]:

I have serious reservations about the SPF solution.  
However, I did not stand in the way of publication due to the  
consideration  
that I rather have a deployed technology documented.

The same considerations and issues as described in the tracker regarding  
the SPF draft apply here, except that it is not clear to me what the  
deployment  
status is.

In addition, I think it needs to be made much more clear in both drafts  
what  
the differences are. I don't think it is clear at all whether  
senderid is really a version 2 of spf or that it is something different  
altogether.

Allison Mankin:

Comment [2005-02-03]:

It seems like a good idea to for this work to have documents for  
experimental  
deployment.

Is it worth adding references to some documents about remedies in the  
Security Considerations of senderid-core (specifically to how TCPs  
decrease  
risks of blind insert attacks and to the ingress filtering RFC, and to the  
DNSSEC  
spec)?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'SMTP Service Extension for Indicating the  
Responsible Submitter of an E-mail Message' to Experimental RFC

The IESG has approved the following document:

- 'SMTP Service Extension for Indicating the Responsible Submitter of an E-mail

Message '

<draft-katz-submitter-00.txt> as an Experimental RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This group of documents represents an experimental view of one way to handle DNS-based email authentication. Though it relies on concepts in the SPF documents, it has a different set of intended scopes and facilities.

#### Working Group Summary

This was originally part of the work of MARID, which was unable to come to consensus on the appropriate set of scopes and facilities for DNS-based email authentication. Because of that lack of consensus, this work is targetted at Experimental, rather than standards track status. It is hoped that additional deployment will help demonstrate which among the proposed scopes is useful, and that those can later proceed to standards track status.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie and by the DEA Directorate for the Applications Area Directors.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Layer 1 Virtual Private Networks (l1vpn) - 1 of 1  
Token: Alex Zinin

### Layer 1 Virtual Private Networks (l1vpn)

=====

Last Modified: 2005-05-16

Current Status: Proposed Working Group

Chair(s):

TBD

TBD

Routing Area Director(s):

Bill Fenner <fenner@research.att.com>

Alex Zinin <zinin@psg.com>

Routing Area Advisor:

Alex Zinin <zinin@psg.com>

Technical Advisor(s):

TBD

Mailing Lists:

General Discussion: [llvpn@ietf.org](mailto:llvpn@ietf.org)

To Subscribe: <https://www1.ietf.org/mailman/listinfo/llvpn>

Archive: <http://www.ietf.org/mail-archive/web/llvpn/index.html>

#### Description of Working Group:

The L1VPN Working Group's task is to specify mechanisms necessary for providing a VPN service over a GMPLS-enabled transport service-provider network.

The following two service models will be addressed:

1. Basic mode: the CE-PE interface's functional repertoire is limited to path setup signalling only. Provider's network is not involved in distribution of user's routing information.

2. Enhanced mode: the CE-PE interface provides the signaling capabilities as in the Basic mode, plus permits limited exchange of information between the control planes of the provider and the user to help such functions as discovery of reachability information in remote sites, or parameters of the part of the provider's network dedicated to the user.

The WG will work on the following items:

1. Framework document defining the reference network model, L1VPN service model, fundamental assumptions, and terminology.
2. Specification of the L1VPN signaling functionality between the user and the provider network to support the basic mode.
3. Specification of the L1VPN signaling and routing functionality within the provider network to support the basic mode.
4. OAM features and MIB modules and/or extensions required for the basic mode.
5. Specification of the L1VPN signaling and routing functionality between the user and the provider network to support the extended mode.
6. Specification of the L1VPN signaling and routing functionality within the provider network to support the extended mode.

7. OAM features and MIB modules and/or extensions required for the extended mode.

8. Applicability guidelines to compare the basic and extended modes.

At this point the WG will address the single-AS scenario only. The multi-AS/provider scenario may be considered in future.

Protocol extensions required for L1VPN will be done in cooperation with MPLS, CCAMP, OSPF, IS-IS, IDR, L3VPN, and other WGs where necessary.

Where

necessary, the WG shall also cooperate with ITU-T through the established IETF process.

Milestones:

Sep 05 Submit first Internet Draft of L1VPN framework

Sep 05 Submit first Internet Drafts of basic mode specifications

Dec 05 Submit first Internet Drafts of MIB modules for basic mode

Apr 06 Submit basic mode specifications to IESG for publication as Proposed Standard

Jun 06 Submit first Internet Drafts of enhanced mode specifications

Aug 06 Submit MIB modules for basic mode to IESG for publication as Proposed Standard

Dec 06 Submit enhanced mode specifications to IESG for publication as Proposed Standard

Dec 06 Submit L1VPN framework to IESG for publication as Informational RFC

Aug 07 Submit MIB modules for enhanced mode to IESG for publication as Proposed Standard

Dec 07 Recharter or disband

Related Documents:

draft-takeda-l1vpn-framework-03.txt

draft-takeda-l1vpn-applicability-02.txt

draft-ouldbrahim-ppvnp-gvpn-bgpgmpls-06.txt  
draft-ietf-ccamp-gmpls-overlay-05.txt

#### 4. Working Group Actions

##### 4.1 WG Creation

###### 4.1.2 Proposed for Approval

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.2 Proposed for Approval

- o ADSL MIB (adslmib) - 1 of 1

Token: Bert Wijnen

ADSL MIB (adslmib)

-----

Last Modified: 2005-5-12

Current Status: Active Working Group

Chair(s):

Bob Ray <rray@pesa.com>

Michael Sneed <sneedmike@hotmail.com>

Operations and Management Area Director(s):

Bert Wijnen <bwijnen@lucent.com>

David Kessens <david.kessens@nokia.com>

Operations and Management Area Advisor:

Bert Wijnen <bwijnen@lucent.com>

Technical Advisor(s):

Randy Presuhn <randy\_presuhn@mindspring.com>

Mailing Lists:

General Discussion: [adslmib@ietf.org](mailto:adslmib@ietf.org)

To Subscribe: <https://www1.ietf.org/mailman/listinfo/adslmib>

Archive: <http://www.ietf.org/mail-archive/web/adslmib/index.html>

## Description of Working Group:

The working group will define a set of managed objects to be used for management of newer versions of Asymmetric Digital Subscriber Line (ADSL), called ADSL2 and ADSLplus, as defined in ITU-T Recommendation G.997.1 (2003) and ITU-T Recommendation G.997.1 Amendment 1 (December 12, 2003). The MIB defined by this group will be generated using SMIV2, will be consistent with the SNMP management framework, and will describe the relationship of the objects defined to existing MIBs such as those described in other work products of this Working Group, the interfaces MIB, and the ATOM MIB.

The working group will consider the input of the DSL forum and the ITU in the definition of this MIB.

## (New) Goals and Milestones:

[.. dropped all the DONE items for now]

May 05 Initial WG Internet-Draft covering ADSL2 management objects.

June 05 Integrate working group changes and produce revised draft.

Sept 05 Complete WG last call on ADSL2 MIB.

Oct 05 Submit ADSL2 MIB to IESG for consideration as Proposed Standard.

Dec 05 Re-charter or close down.

## 5. IAB News We Can Use

## 6. Management Issues

## 7. Working Group News We Can Use

Brian Carpenter

Bill Fenner

Ted Hardie

Sam Hartman

Scott Hollenbeck

Russ Housley

David Kessens

Allison Mankin

Jon Peterson

Mark Townsley

Margaret Wasserman

Bert Wijnen

Alex Zinin

Received: from megatron.ietf.org (megatron.ietf.org [132.151.6.71])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA28198  
for <iesg-archive@lists.ietf.org>; Wed, 25 May 2005 16:49:39 -0400  
(EDT)  
Received: from localhost.localdomain ([127.0.0.1]  
helo=megatron.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32)  
id 1Db2oM-0001M2-Na; Wed, 25 May 2005 16:49:06 -0400  
Received: from odin.ietf.org ([132.151.1.176] helo=ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.32) id 1Db2oK-0001La-A1  
for iesg@megatron.ietf.org; Wed, 25 May 2005 16:49:05 -0400  
Received: from ietf-mx.ietf.org (ietf-mx.ietf.org [132.151.6.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id QAA28147  
for <iesg@ietf.org>; Wed, 25 May 2005 16:49:02 -0400 (EDT)  
Received: from rt.icann.org ([192.0.34.49])  
by ietf-mx.ietf.org with esmtp (Exim 4.33) id 1Db36m-00034L-N8  
for iesg@ietf.org; Wed, 25 May 2005 17:08:09 -0400  
Received: from rt.icann.org (localhost.icann.org [127.0.0.1])  
by rt.icann.org (8.13.1/8.13.1) with ESMTP id j4PKmsLq001551  
for <iesg@ietf.org>; Wed, 25 May 2005 13:48:54 -0700 (PDT)  
(envelope-from www@rt.icann.org)  
Received: (from www@localhost)  
by rt.icann.org (8.13.1/8.13.1/Submit) id j4PKmsR7001550;  
Wed, 25 May 2005 13:48:54 -0700 (PDT) (envelope-from www)  
Date: Wed, 25 May 2005 13:48:54 -0700 (PDT)  
From: "Michelle Cotton via RT" <iana-drafts@icann.org>  
In-Reply-To: <rt-62@rt.icann.org>  
Message-ID: <rt-3.2.2-62-34373-6.0.558540434374066@icann.org>  
Precedence: bulk  
X-RT-Loop-Prevention: rt.icann.org  
RT-Ticket: rt.icann.org #62  
Managed-by: RT 3.2.2 (<http://www.bestpractical.com/rt/>)  
RT-Originator: michelle.cotton@icann.org  
To: iesg@ietf.org  
MIME-Version: 1.0  
Content-Type: text/plain; charset="utf-8"  
X-RT-Original-Encoding: utf-8  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: 7fa173a723009a6ca8ce575a65a5d813  
Subject: [rt.icann.org #62] Evaluation: draft-hoffman-gopher-uri-03.txt

to

Proposed Standard  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Reply-To: iana-drafts@icann.org  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

IANA OK. Comments in tracker.  
IANA Actions.

Michelle Cotton  
(on behalf of IANA)

>  
>  
> -----Original Message-----  
> From: iesg-bounces@ietf.org [<mailto:iesg-bounces@ietf.org>] On Behalf  
Of IESG  
> Secretary  
> Sent: Friday, May 20, 2005 3:53 PM  
> To: Internet Engineering Steering Group  
> Subject: Evaluation: draft-hoffman-gopher-uri-03.txt to Proposed  
Standard  
>  
> -----  
>  
> Evaluation for draft-hoffman-gopher-uri-03.txt can be found at  
> [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=1223)  
command=view\_id&dTag=1223  
> 0&rfc\_flag=0  
>  
> Last Call to expire on: 2005-03-04  
>  
> Please return the full line with your position.  
>  
>  
> Yes No-Objection Discuss Abstain  
> Brian Carpenter [ ] [ ] [ ] [ ]  
> Bill Fenner [ ] [ ] [ ] [ ]

|                      |       |     |     |     |
|----------------------|-------|-----|-----|-----|
| > Ted Hardie         | [ X ] | [ ] | [ ] | [ ] |
| > Sam Hartman        | [ ]   | [ ] | [ ] | [ ] |
| > Scott Hollenbeck   | [ ]   | [ ] | [ ] | [ ] |
| > Russ Housley       | [ ]   | [ ] | [ ] | [ ] |
| > David Kessens      | [ ]   | [ ] | [ ] | [ ] |
| > Allison Mankin     | [ ]   | [ ] | [ ] | [ ] |
| > Jon Peterson       | [ ]   | [ ] | [ ] | [ ] |
| > Mark Townsley      | [ ]   | [ ] | [ ] | [ ] |
| > Margaret Wasserman | [ ]   | [ ] | [ ] | [ ] |
| > Bert Wijnen        | [ ]   | [ ] | [ ] | [ ] |
| > Alex Zinin         | [ ]   | [ ] | [ ] | [ ] |

>

> 2/3 (9) Yes or No-Objection opinions needed to pass.

>

> DISCUSSES AND COMMENTS:

> =====

>

>

>

> ^L

> ---- following is a DRAFT of message to be sent AFTER approval ---

> From: The IESG <iesg-secretary@ietf.org>

> To: IETF-Announce <ietf-announce@ietf.org>

> Cc: Internet Architecture Board <iab@iab.org>,

> RFC Editor <rfc-editor@rfc-editor.org>

> Subject: Protocol Action: 'The gopher URI Scheme' to Proposed Standard

>

> The IESG has approved the following document:

>

> - 'The gopher URI Scheme '

> <draft-hoffman-gopher-uri-03.txt> as a Proposed Standard

>

> This document has been reviewed in the IETF but is not the product of an

> IETF Working Group.

>

> The IESG contact person is Ted Hardie.

>

> Technical Summary

>

> This document specifies the gopher Uniform Resource Identifier (URI)

> scheme that was originally specified in RFC 1738. The purpose of

> this document is to allow RFC 1738 to be made obsolete while keeping

> the information about the scheme on the standards track and

> appropriately referenced within the IANA registry.



by megatron.ietf.org with esmtp (Exim 4.32) id 1Db5D7-0003DD-7s  
for iesg@megatron.ietf.org; Wed, 25 May 2005 19:22:49 -0400  
Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id TAA07780;  
Wed, 25 May 2005 19:22:46 -0400 (EDT)  
Message-Id: <200505252322.TAA07780@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: iesg@ietf.org  
Date: Wed, 25 May 2005 19:22:46 -0400  
Cc: bfuller@foretec.com, amyk@foretec.com  
Subject: FINAL Agenda and Package for May 26, 2005 Telechat  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the May 26, 2005 IESG Teleconference

This agenda was generated at 17:43:7 EDT, May 25, 2005

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item

- o draft-ietf-adslmib-gshdslbis-10.txt

Definitions of Managed Objects for High Bit-Rate DSL - 2nd generation (HDSL2) and Single-Pair High-Speed Digital Subscriber Line (SHDSL) Lines

(Proposed Standard) - 1 of 5

Note: This document is still shepherded by AD (Bert)

Token: Bert Wijnen

- o draft-ietf-tls-psk-08.txt

Pre-Shared Key Ciphersuites for Transport Layer Security (TLS)

(Proposed

Standard) - 2 of 5

Token: Russ Housley

- o draft-ietf-ipdvb-ule-05.txt

Ultra Lightweight Encapsulation (ULE) for transmission of IP datagrams over

an MPEG-2 Transport Stream (Proposed Standard) - 3 of 5

Token: Margaret Wasserman

- o draft-ietf-ipv6-optimistic-dad-05.txt

Optimistic Duplicate Address Detection for IPv6 (Proposed Standard)

- 4 of

5

Token: Margaret Wasserman

- o draft-ietf-enum-void-01.txt

IANA Registration for Enumservice VOID (Proposed Standard) - 5 of 5

Note: Last Call ends 5/25 (no controversy expected). PROTO shepherd

Rich

Shockey rich@shockey.us

Token: Allison Mankin

### 2.1.2 Returning Item

- o draft-ietf-dhc-leasequery-08.txt

DHCP Lease Query (Proposed Standard) - 1 of 1

Note: Returning to update the status of current discusses from Ted, Russ

and Bert, to resolve the status of old discusses from Thomas and Steve, and

to determine what blocking issues (if any) remain in the latest version of

this document.&nbsp; Thanks.

Token: Margaret Wasserman

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-gellens-mime-bucket-03.txt

The Codecs Parameter for "Bucket" Media Types (Proposed Standard) -  
1 of 2

Token: Allison Mankin

- o draft-hoffman-gopher-uri-03.txt

The gopher URI Scheme (Proposed Standard) - 2 of 2

Token: Ted Hardie

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a  
reasonable  
contribution to the area of Internet engineering which it covers?  
If  
not, what changes would make it so?"

#### 3.1.1 New Item

NONE

#### 3.1.2 Returning Item

NONE

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a  
reasonable  
contribution to the area of Internet engineering which it covers?  
If  
not, what changes would make it so?"

#### 3.2.1 New Item

- o draft-adrangi-eap-network-discovery-13.txt

Identity selection hints for Extensible Authentication Protocol  
(EAP)

(Informational) - 1 of 5

Token: Margaret Wasserman

- o draft-ietf-tools-draft-submission-09.txt

Requirements for an IETF Draft Submission Toolset (Informational) -  
2 of 5

Token: Brian Carpenter

- o draft-lilly-text-troff-03.txt

Media subtype registration for media type text/troff (Informational)  
- 3 of

5

Token: Scott Hollenbeck

- o draft-mraihi-oath-hmac-otp-04.txt

HOTP: An HMAC-based One Time Password Algorithm (Informational) - 4

of 5

Token: Russ Housley

- o draft-lee-rfc4009bis-01.txt

The SEED Encryption Algorithm (Informational) - 5 of 5

Token: Russ Housley

### 3.2.2 Returning Item

- o Three-document ballot: - 1 of 1

- draft-katz-submitter-01.txt

SMTP Service Extension for Indicating the Responsible Submitter

of an

E-mail Message (Experimental)

Note: Revision received; please review 01

- draft-lyon-senderid-core-01.txt

Sender ID: Authenticating E-Mail (Experimental)

Note: Sent to dea-dir

- draft-lyon-senderid-pra-01.txt

Purported Responsible Address in E-Mail Messages (Experimental)

Note: Sent to dea-dir

Token: Ted Hardie

### 3.3 Individual Submissions Via RFC Editor

Reviews should focus on these questions: "Does this document represent an end run around the IETF's working groups or its procedures? Does this document present an incompatible change to IETF technologies as if it were compatible?" Other matters may be sent to the RFC Editor in private review.

#### 3.3.1 New Item

NONE

#### 3.3.2 Returning Item

NONE

### 4. Working Group Actions

#### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Layer 1 Virtual Private Networks (l1vpn) - 1 of 1

Token: Alex Zinin

##### 4.1.2 Proposed for Approval

NONE

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

o ADSL MIB (adslmib) - 1 of 1

Token: Bert Wijnen

#### 5. IAB News We can use

#### 6. Management Issue

6.1 Management Item to approve sending draft-iesg-media-type-00.txt  
(Ted Hardie)

#### 7. Agenda Working Group News

-----  
-----

### INTERNET ENGINEERING STEERING GROUP (IESG) Agenda for the May 26, 2005 IESG Teleconference

This package was generated at 17:43:7 EDT, May 25, 2005.

#### 1. Administrivia

##### 1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, May 26, 2005 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but

will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Brian Carpenter---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Will call in  
Sam Hartman---Will call in  
Scott Hollenbeck---Will call in  
Russ Housley---Will call in  
David Kessens---Will call in  
Allison Mankin---Will call in  
Dave Meyer---Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Barbara Roseman---Will call in  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Margaret Wasserman---Will call in  
Bert Wijnen---Will call in  
Alex Zinin---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

| Country                          | Number           |
|----------------------------------|------------------|
| Argentina Dial-In #:             | 08006660275      |
| Australia Dial-In #:             | 1800004017       |
| Austria Dial-In #:               | 0800293225       |
| Bahamas Dial-In #:               | 18003890371      |
| Belgium Dial-In #:               | 080070189        |
| Brazil Dial-In #:                | 08008916634      |
| China Dial-In #:                 | 108001400446     |
| Colombia Dial-In #:              | 018009198732     |
| Czech Republic Dial-In #:        | 800142528        |
| Denmark Dial-In #:               | 80880221         |
| Dominican Republic Dial-In #:    | 18887514594      |
| Finland Dial-In #:               | 0800112488       |
| France Dial-In #:                | 0800917496       |
| Germany Dial-In #:               | 08001818365      |
| Greece Dial-In #:                | 0080016122038903 |
| Hong Kong Dial-In #:             | 800901760        |
| Hungary Dial-In #:               | 0680015661       |
| Iceland Dial-In #:               | 8008234          |
| Indonesia Dial-In #:             | 008800105397     |
| Ireland Dial-In #:               | 1800550668       |
| Israel Dial-In #:                | 1809458905       |
| Japan Dial-In #:                 | 00531160236      |
| Korea (South) Dial-In #:         | 00308140464      |
| Latvia Dial-In #:                | 8002033          |
| Lithuania Dial-In #:             | 880030145        |
| Luxembourg Dial-In #:            | 80024217         |
| Malaysia Dial-In #:              | 1800807300       |
| Mexico Dial-In #:                | 0018005148732    |
| Monaco Dial-In #:                | 80093175         |
| Netherlands Dial-In #:           | 08000235265      |
| New Zealand Dial-In #:           | 0800441382       |
| Norway Dial-In #:                | 80013184         |
| Poland Dial-In #:                | 008001114592     |
| Portugal Dial-In #:              | 800819682        |
| Puerto Rico Dial-In #:           | 18664031409      |
| Russian Federation Dial-In #:    | 81080022581012   |
| Saint Kitts and Nevis Dial-In #: | 18007449294      |

South Africa Dial-In #: 0800994887  
Spain Dial-In #: 900981518  
Sweden Dial-In #: 0200214725  
Switzerland Dial-In #: 0800563364  
Taiwan Dial-In #: 00801126664  
Thailand Dial-In #: 0018001562038905  
Trinidad and Tobago Dial-In #: 18002039121  
United Kingdom Dial-In #: 08000289287  
Venezuela Dial-In #: 08001006012  
Virgin Islands (U.S.) Dial-In #: 18664038904

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

1.3 Approval of the Minutes  
DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the May 12, 2005 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

-----  
Brian Carpenter / IBM  
Michelle Cotton / ICANN  
Bill Fenner / AT&T  
Barbara Fuller / IETF Secretariat  
Ted Hardie / Qualcomm, Inc.  
Sam Hartman / MIT  
Scott Hollenbeck / Verisign  
Russ Housley / Vigil Security, LLC  
David Kessens / Nokia  
Allison Mankin / Shinkuro, Inc.  
Dave Meyer / Cisco/University of Oregon (IAB Liaison)  
Jon Peterson / NeuStar, Inc.  
Joyce K. Reynolds / RFC Editor  
Barbara Roseman / ICANN (IANA)  
Dinara Suleymanova / IETF Secretariat  
Mark Townsley / Cisco  
Amy Vezza / IETF Secretariat  
Margaret Wasserman / Nokia

Bert Wijnen / Lucent  
Alex Zinin / Alcatel

## REGRETS

-----  
Leslie Daigle / IAB

## MINUTES

### 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the April 25, 2005 Teleconference were approved. The Secretariat will place the minutes in the public archives

#### 1.2 Documents Approved since the April 25, 2005 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-huitema-v6ops-teredo-05.txt (Proposed Standard)
- o draft-ietf-opes-http-03.txt (Proposed Standard)
- o draft-ietf-sigtran-rfc3057bis-02.txt (Proposed Standard)
- o draft-ietf-sipping-dialog-package-06.txt (Proposed Standard)
- o draft-malamud-keyword-discovery-05.txt (Proposed Standard)

##### 1.2.2 Document Actions

- o draft-burger-sipping-netann-11.txt (Informational RFC)
- o draft-dolan-urn-isdn-01.txt (Informational RFC)
- o draft-dtessman-urn-namespace-federated-content-03.txt (Informational RFC)
- o draft-ietf-ccamp-sdhsonet-control-05.txt (Informational RFC)
- o draft-ietf-ieprep-framework-10.txt (Informational RFC)
- o draft-ietf-ipdvb-arch-04.txt (Informational RFC)
- o draft-ietf-l3vpn-mgt-fwk-08.txt (Informational RFC)
- o draft-ietf-rddp-arch-07.txt (Informational RFC)

#### 1.3 Review of Action Items

##### DONE:

- o Allison Mankin to craft IESG response to the Roberts (ipv6-parameter) Request for Assignments.

##### DELETED:

NONE

IN PROGRESS:

- o Allison Mankin and Thomas Narten to compose a message for the IESG and IAB related to 3GPP's Release 6 publication deadline and expedited documents.
- o Ted Hardie and Allison Mankin to write a draft on media type registry futures for review by the community.

NEW:

- o Jon Peterson to prepare the IESG Projects list to be public.

#### 1.4 Review of Projects

#### 2. Protocol Actions

##### 2.1 WG Submissions

###### 2.1.1 New Item

- o draft-ietf-l3vpn-mpls-vpn-mib-07.txt - 1 of 7

MPLS/BGP Layer 3 Virtual Private Network Management Information Base (Proposed Standard)

Token: Mark Townsley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Mark Townsley. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

- o draft-ietf-l3vpn-tc-mib-06.txt - 2 of 7

Definition of Textual Conventions for Virtual Private Network (VPN) Management (Proposed Standard)

Token: Mark Townsley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Mark Townsley. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

- o draft-ietf-avt-rtp-bv-04.txt - 3 of 7

RTP Payload Format for BroadVoice Speech Codecs (Proposed Standard)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Scott Hollenbeck and Russ Housley.\*

o draft-ietf-dhc-lifetime-03.txt - 4 of 7

Information Refresh Time Option for DHCPv6 (Proposed Standard)

Token: Margaret Wasserman

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement.

o draft-ietf-dhc-vendor-suboption-00.txt - 5 of 7

Vendor-Specific Information Suboption for the DHCP Relay Agent Option (Proposed Standard)

Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Bert Wijnen and Alex Zinin.\*

o draft-ietf-dhc-3315id-for-v404.txt - 6 of 7

Node-Specific Client Identifiers for DHCPv4 (Proposed Standard)

Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Brian Carpenter, Russ Housley, David Kessens, and Bert Wijnen.\*

o draft-ietf-ipv6-addr-arch-v4-03.txt - 7 of 7

IP Version 6 Addressing Architecture (Draft Standard)

Token: Margaret Wasserman

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley.\*

#### 2.1.2 Returning Item

NONE

### 2.2 Individual Submissions

#### 2.2.1 New Item

o draft-rescorla-dtls-04.txt - 1 of 3

Datagram Transport Layer Security (Proposed Standard)

Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Allison Mankin.\*

o draft-kato-ipsec-ciph-camellia-01.txt - 2 of 3

The Camellia Cipher Algorithm and Its Use With IPsec (Proposed Standard)

Token: Russ Housley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Russ Housley. The Secretariat will send an individual submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-mrose-rfc3288bis-01.txt - 3 of 3

Using the Simple Object Access Protocol (SOAP) in Blocks Extensible Exchange Protocol (BEEP) (Proposed Standard)

Token: Scott Hollenbeck

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley. \*

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-sipping-conferencing-framework-04.txt - 1 of 2

A Framework for Conferencing with the Session Initiation Protocol (Informational)

Token: Allison Mankin

The document remains under discussion by the IESG in order to resolve points raised by Sam Hartman and Russ Housley.\*

o draft-ietf-sipping-conferencing-requirements-01.txt - 2 of 2

High Level Requirements for Tightly Coupled SIP Conferencing (Informational)

Token: Allison Mankin

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

#### 3.1.2 Returning Item

NONE

### 3.2 Individual Submissions Via AD

#### 3.2.1 New Item

o draft-lilly-field-specification-03.txt - 1 of 1

## Implementer-friendly Specification of Message and MIME-Part Header Fields and Field Components (Informational)

Token: Scott Hollenbeck

The document remains under discussion by the IESG in order to resolve points raised by Ted Hardie.\*

### 3.2.2 Returning Item

NONE

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

o draft-eastlake-prominence-02.txt - 1 of 1

How to Gain Prominence and Influence in Standards Organizations (Informational)

Token: Brian Carpenter

The IESG has no problem with the RFC Editor publishing this document. The Secretariat will send a standard "no problem" message to the RFC Editor that includes an IESG Note to be prepared by Brian Carpenter.

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

o Site Multihoming by IPv6 Intermediation (shim6) - 1 of 1

Token: Margaret

The IESG decided not to approve the draft WG charter for IETF review this time. The Secretariat will wait for instructions from Margaret Wasserman.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.2 Proposed for IETF Approval

NONE

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

o ADSL MIB (adslmib) - 1 of 1  
Token: Bert Wijnen

The IESG decided that the charter must go for External Review. The Secretariat will send a Working Group Review: RECHARTER announcement, with a separate message to new-work. The Secretariat will place it back on the agenda for the next IESG Teleconference (05/26/2005).

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.2 Proposed for IETF Approval

NONE

#### 5. IAB News We Can Use

#### 6. Management Issues

##### 6.1 IESG Projects (Allison Mankin)

This management issue was discussed. The IESG decided to make the IESG Projects List public.

Action Item: Jon Peterson to prepare the IESG Projects list to be public.

##### 6.2 GSAKMP IANA Expert (Russ Housley)

This management issue was discussed. The Secretariat will send a message to IANA with a copy to the IESG regarding the new GSAKMP IANA Experts. Primary Expert: Hugh Harney, Secondary Expert: Andrea Colgrove.

##### 6.3 Approval of Roberts IANA response (Sam Hartman)

This management issue was discussed.

##### 6.4 Expedited Handling Request for draft-malamud-keyword-discovery-05 (Scott Hollenbeck)

This management issue was discussed. The IESG decided to exceptionally approve the request to expedite handling of draft-malamud-keyword-discovery-05 and draft-malamud-subject-line-05, since it is expected that they will be cited in an official report to a major legislature within a few weeks. The Secretariat will send an expedited handling request to the RFC Editor.

##### 6.5 Expedited Handling Request for two AVT documents (Allison Mankin)

This management issue was discussed. The IESG decided to approve the expedited handling of draft-ietf-avt-text-red-05 and draft-ietf-avt-2793bis-07. The Secretariat will send an expedited handling request to the RFC Editor.

## 7. Working Group News We Can Use

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\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG.

### 1. Administrivia

#### 1.4 Review of Action Items

##### OUTSTANDING TASKS

Last updated: May 16, 2005

IP    o Allison Mankin and Thomas Narten to compose a message for the IESG and

      IAB related to 3GPP's Release 6 publication deadline and expedited documents.

IP    o Ted Hardie and Allison Mankin to write a draft on media type registry futures

      for review by the community

IP    o o Jon Peterson to prepare the IESG Projects list to be public.

### 1. Administrivia

#### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

      Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

      infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 5

      o draft-ietf-adslmib-gshdslbis-10.txt

      Definitions of Managed Objects for High Bit-Rate DSL - 2nd generation

      (HDSL2) and Single-Pair High-Speed Digital Subscriber Line (SHDSL)

Lines

(Proposed Standard)

Note: This document is still shepherded by AD (Bert)

Token: Bert Wijnen

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-adslmib-gshdslbis-10.txt to Proposed Standard

-----

Evaluation for draft-ietf-adslmib-gshdslbis-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11665&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11665&rfc_flag=0)

Last Call to expire on: 2005-05-04

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ X ] | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Discuss [2005-05-24]:

Section 5 has several sentences that begin in similar ways:

Unauthorized changes to ...

Unapproved changes to ...  
Unofficial changes to ...  
Illegitimate changes to ...  
Unsanctioned changes to ...  
Unwarranted changes to ...  
Illegal changes to ...  
Undesired changes to ...

Is there a subtle difference here? Can "Unauthorized" be used in each case without losing any intended meaning?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
adslmib mailing list <adslmib@ietf.org>,  
adslmib chair <sneedmike@hotmail.com>,  
adslmib chair <rarray@pesa.com>

Subject: Protocol Action: 'Definitions of Managed Objects for High  
Bit-Rate DSL - 2nd generation (HDSL2) and Single-Pair High-  
Speed  
Digital Subscriber Line (SHDSL) Lines' to Proposed Standard

The IESG has approved the following document:

- 'Definitions of Managed Objects for High Bit-Rate DSL - 2nd generation (HDSL2) and Single-Pair High-Speed Digital Subscriber Line (SHDSL) Lines '  
<draft-ietf-adslmib-gshdslbis-10.txt> as a Proposed Standard

This document is the product of the ADSL MIB Working Group.

The IESG contact persons are Bert Wijnen and David Kessens.

#### Technical Summary

This document defines a Management Information Base (MIB) module for use with network management protocols in the Internet community. In particular, it describes objects used for managing High Bit-Rate Digital Subscriber Line (DSL) - 2nd generation (HDSL2) and Single-Pair High-Speed Digital Subscriber Line (SHDSL) interfaces. This

document introduces extensions to several objects and textual conventions defined in HDSL2-SHDSL-Line MIB (RFC 3276). This document obsoletes RFC 3276.

#### Working Group Summary

The Working Group has consensus to publish this document as a Proposed Standard.

#### Protocol Quality

This document has been reviewed for the IESG by Randy Presuhn, Mike Heard and Bert Wijnen.

#### RFC Editor Note

none

#### IESG Note

none

#### IANA Note

none

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 5

- o draft-ietf-tls-psk-08.txt

Pre-Shared Key Ciphersuites for Transport Layer Security (TLS)  
(Proposed  
Standard)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-tls-psk-08.txt to Proposed Standard  
-----

Evaluation for draft-ietf-tls-psk-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11875&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11875&rfc_flag=0)

Last Call to expire on: 2005-04-01

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment [2005-05-23]:

The document says:

IANA does not currently have a registry for TLS-related numbers, so  
there are no IANA actions associated with this document.

Note that IANA does have a TLS-related compression registry:

<http://www.iana.org/assignments/comp-meth-ids>

I also kind of think that a registry TLS ciphersuites wouldn't

be a bad idea; not a job for this document, obviously, but it does seem useful.

Bert Wijnen:

Comment [2005-05-25]:

sect 5.1 has as first bullet:

- o IPv4 addresses are sent as dotted-decimal strings (e.g., "192.0.1.2"), not as 32-bit integers in network byte order.

Probably better to adhere to RFC3330 and use 192.0.2.1 or some other address in the 192.0.2.0/24 range.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

tls mailing list <tls@lists.ietf.org>,

tls chair <treese@acm.org>,

tls chair <ekr@rtfm.com>

Subject: Protocol Action: 'Pre-Shared Key Ciphersuites for Transport Layer Security (TLS)' to Proposed Standard

The IESG has approved the following document:

- 'Pre-Shared Key Ciphersuites for Transport Layer Security (TLS) ' <draft-ietf-tls-psk-07.txt> as a Proposed Standard

This document is the product of the Transport Layer Security Working Group.

The IESG contact persons are Russ Housley and Sam Hartman.

## Technical Summary

This document specifies three sets of new ciphersuites for the Transport Layer Security (TLS) protocol to support authentication based on pre-shared symmetric keys. The first set of ciphersuites uses only symmetric key operations for authentication. The second set uses a Diffie-Hellman exchange authenticated with a pre-shared key;

and the third set combines public key authentication of the server with pre-shared key authentication of the client.

## Working Group Summary

The TLS Working Group reached consensus on this document.

## Protocol Quality

This document was reviewed by Russ Housley for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 5

- o draft-ietf-ipdvb-ule-05.txt

Ultra Lightweight Encapsulation (ULE) for transmission of IP datagrams over an MPEG-2 Transport Stream (Proposed Standard)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ipdvb-ule-05.txt to Proposed Standard

-----

Evaluation for draft-ietf-ipdvb-ule-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11634&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11634&rft_flag=0)

Last Call to expire on: 2005-05-16

Please return the full line with your position.

Yes No-Objection Discuss Abstain

|                    |       |       |       |     |
|--------------------|-------|-------|-------|-----|
| Brian Carpenter    | [ ]   | [ ]   | [ X ] | [ ] |
| Bill Fenner        | [ ]   | [ ]   | [ ]   | [ ] |
| Ted Hardie         | [ ]   | [ X ] | [ ]   | [ ] |
| Sam Hartman        | [ ]   | [ X ] | [ ]   | [ ] |
| Scott Hollenbeck   | [ ]   | [ X ] | [ ]   | [ ] |
| Russ Housley       | [ ]   | [ X ] | [ ]   | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ]   | [ ] |
| Allison Mankin     | [ ]   | [ ]   | [ ]   | [ ] |
| Jon Peterson       | [ ]   | [ X ] | [ ]   | [ ] |
| Mark Townsley      | [ ]   | [ ]   | [ ]   | [ ] |
| Margaret Wasserman | [ X ] | [ ]   | [ ]   | [ ] |
| Bert Wijnen        | [ ]   | [ X ] | [ ]   | [ ] |
| Alex Zinin         | [ ]   | [ ]   | [ ]   | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Discuss [2005-05-25]:

There seem to be internal inconsistencies that would make life hard for an implementor. From review by Michael Patton:

There appears to be a technical inconsistency about the meaning of the value in a PP. In the definition of PP in Section 2 says that if the PUSI bit is set, then the PP byte follows the TS header and indicates how many bytes between the end of the header and the start of a PU. Since there's at least the PP byte, it would seem that the minimum value would be 1. But, in Section 3 the next to last paragraph talks about a PP value of 0x00 when the Payload Unit immediately follows the header, and 6.1 seems to repeat that. But it can't because the PP has to be in there. I'm sure there's actually a consistent definition for these fields, but what's in the document isn't quite it. These definitions need to be cleaned up and made more explicit. When I finally got to Section 7.1.1 I find what appears to be the complete definition, which clears it up, but the earlier sections should be cleaned up to be consistent with it.

Section 4.4.1 reserves values 0 through 1535 and declares an IANA registry for assigned values. However, in the IANA Consideration section it only talks about values from 0 through 511. I'd suggest adding a paragraph to the IANA Considerations reserving 512 through 1535 for future IETF Standards action. Not that I expect these would ever get used, just that it should probably be explicitly stated. However, Section 5 defines a format for this field that has potential

values above 511. So, ultimately I'm completely confused about this field.

There is an inconsistency between 4.1 which says  $D=0$  except in an End Indicator. However, 4.5 ascribes meaning for both  $D=0$  and  $D=1$ . At first this seems to be a hard inconsistency, however I think (but I'm not the expert here, the authors are supposed to be) what they mean is that in most usage  $D$  would be 0, but there may be some cases where  $D=1$  could be needed and that  $D=0$  should be used except when  $D=1$  is absolutely needed. If that's the case, I think a little more explanation in 4.1 could clear up the confusion. I think more explicit description of the distinction in 4.5 would also help.

I'm not sure I've completely wrapped my head around the whole thing, but from Section 7.2.1 it looks like this encapsulation assumes that no SNDU will ever need to be spread across more than 2 TS Packets. But, given the length that IP and Ethernet packets can be and that TS Packets are 188 bytes, more than 2 TS packets for each SNDU would probably be the norm. So, I guess I don't understand how the three cases (start of SNDU, middle of SNDU, end of SNDU) are distinguished. So, I think a bit more explanation of that is needed somewhere.

Comment [2005-05-25]:

from review by Michael Patton:

The first use of "TS" in the Intro should probably be expanded. It was previously expanded in the Abstract, but you probably shouldn't rely on readers having seen that recently...

Throughout the document there are references that get split across line boundaries. This should be avoided.

Section 1 has a reference to [draft-ipdvb-arch] which is not in the references section.

At the end of Section 1 is a reference to [draft-ipdvb-ar] which is not in the references section.

Section 2, in the def for AFC is a reference to [ISO\_MPEG] which is not in the references section.

Section 2, in the def of MPEG-2 there's mention of H.220 which could usefully have a reference.

Section 2, in the def of PID the reference to "all 1s" is easy to

misread because the 1 looks like an l in some fonts. I'd suggest writing it as "all ones" to avoid potential confusion. This construction also appears in other places (Section 4.3 at least) which should also be adjusted.

Section 2, has two slightly different definitions for PSI.

Section 4.6 has a ref to [ITU3563] which is not listed in the references section.

Is [ISO-8802-2] really 8802.2 rather than 802.2?

RFC3667 and RFC3668 appear in the references section, but are not actually referenced (although 3668 is mentioned in boilerplate that will go away in the RFC). I don't think these belong here and they're certainly not normative.

For IEEE 802.3 you use the IEEE ref and mention the ISO one, for 802.2 you only show ISO. I think it might be better to make these references consistent.

Typos:

Section 1, third line has a double open bracket ("["").

Section 2, in the def of AFC: "ISO\_MPEG" => "ISO-MPEG"

Section 2, in the def of SI Table, "that is been" => "that has been"

Section 2, in the def of TS Header there is a formatting error in the table.

In Section 2 the last paragraph (def of ULE Stream) is indented an extra space.

Section 2, in the def of ULE Stream: "ISO\_MPEG2" => "ISO-MPEG2"

Section 4.4 "[IEEE 802.3;" => "[IEEE-802.3;"

In Section 5.1 "is of a Mandatory Extension Header"  
=> "is a Mandatory Extension Header"

In the diagram at the start of Section 6, the marks on the left and right don't line up quite the same with the lower part.

Scott Hollenbeck:

Comment [2005-05-24]:

I wish I knew what "Ultra Lightweight" meant. The term is used in the title,  
but it doesn't appear to be explained.

Bert Wijnen:

Comment [2005-05-25]:

ANNEX B, page 41 states:

|                   |                       |
|-------------------|-----------------------|
| Source IPv6:      | 2001:660:3008:1789::5 |
| Destination IPv6: | 2001:660:3008:1789::6 |

while RFC3849 has reserved

prefix 2001:DB8::/32 as a documentation-only prefix in the IPv6  
address registry. No end party is to be assigned this address.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ipdvb mailing list <ipdvb@erg.abdn.ac.uk>,

ipdvb chair <gorry@erg.abdn.ac.uk>

Subject: Protocol Action: 'Ultra Lightweight Encapsulation (ULE) for  
transmission of IP datagrams over an MPEG-2 Transport Stream'

to

Proposed Standard

The IESG has approved the following document:

- 'Ultra Lightweight Encapsulation (ULE) for transmission of IP  
datagrams over

an MPEG-2 Transport Stream '

<draft-ietf-ipdvb-ule-05.txt> as a Proposed Standard

This document is the product of the IP over DVB Working Group.

The IESG contact persons are Margaret Wasserman and Mark Townsley.

## Technical Summary

The MPEG-2 Transport Stream (TS) has been widely accepted not only for providing digital TV services, but also as a subnetwork technology for building IP networks.

This document describes an Ultra Lightweight Encapsulation (ULE) mechanism for the transport of IPv4 and IPv6 Datagrams and other network protocol packets directly over the ISO MPEG-2 Transport Stream as TS Private Data. ULE specifies a base encapsulation format and supports an extension format that allows it to carry additional header information to assist in network/Receiver processing.

## Working Group Summary

This document was produced by the IPDVB working group. Its contents represent the consensus of the group.

## Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 5

- o draft-ietf-ipv6-optimistic-dad-05.txt  
Optimistic Duplicate Address Detection for IPv6 (Proposed Standard)  
Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ipv6-optimistic-dad-05.txt to Proposed Standard

-----

Evaluation for draft-ietf-ipv6-optimistic-dad-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11651&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11651&rfc_flag=0)

Last Call to expire on: 2005-05-16

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-23]:

Possible clarifications from review by Spencer Dawkins:

... it's confusing to new readers that "standard DAD" isn't defined -  
there's  
nothing called DAD except optimistic DAD until Section 4.4). Maybe this  
is OK. I  
wish the abbreviation was ODAD, though.

In Section 1.1, I would really like to see explicit numbers here - what  
is the  
delay before an address can be used when an IPv6 node uses ND or SLAAC,  
and what  
is the corresponding delay using optimistic DAD? I've seen enough IETF  
discussion of fast handoff, etc. to suspect that some people will be

hoping this  
is the 50-ms fast handoff solution... I think I can figure the numbers  
out from  
RFC 2641, but you guys already know what you're thinking!

I'm a little confused by the text in 3.2 - up to this point, Optimistic  
DAD is  
described as safe, so why is its use SHOULD NOT "unless the probability  
of  
collision is exceedingly small"? Just a sentence or two would be good,  
but  
there's no discussion of this point until Section 4.2.

In Section 4.2, "the ON will hopefully know all it needs to know about  
the  
router from the initial RA" is really informal text, even for a non-  
normative  
section. Could you add a phrase detailing the kind of things the ON  
hopefully  
knows?

Appendix A is pretty helpful, but I didn't see any reference to it in  
the rest  
of the text. A pointer would be nice, especially somewhere near Section  
4.2,  
which discusses collision probability concerns.

Ted Hardie:

Comment [2005-05-23]:

In 4.3, I found this a bit hard to parse:

Once the Optimistic Address has completed DAD, it acts exactly like a  
normal address, and so interoperation cases only arise while the  
address is Optimistic.

I assume it means that the special rules for Optimistic Addresses aren't  
applicable once the Address is marked Preferred or Deprecated. I think  
that is clear enough without saying it again here, but if you do need  
to,  
some other phrasing might be needed.

Scott Hollenbeck:

Comment [2005-05-24]:

Section 3.2 is titled "Modifications to RFC 2461 Neighbor Discovery".

Shouldn't

this document thus be identified as updating RFC 2461? Similar question for

Section 3.3 (RFC 2462).

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ipv6 mailing list <ipv6@ietf.org>,

ipv6 chair <bob.hinden@nokia.com>,

ipv6 chair <brian@innovationslab.net>

Subject: Protocol Action: 'Optimistic Duplicate Address Detection for IPv6' to Proposed Standard

The IESG has approved the following document:

- 'Optimistic Duplicate Address Detection for IPv6 '  
<draft-ietf-ipv6-optimistic-dad-05.txt> as a Proposed Standard

This document is the product of the IP Version 6 Working Group Working Group.

The IESG contact persons are Margaret Wasserman and Mark Townsley.

#### - Technical Summary

Optimistic Duplicate Address Detection is an interoperable modification of the existing IPv6 Neighbor Discovery (RFC2461) and Stateless Address Autoconfiguration (RFC2462) process. The intention is to minimize address configuration delays in the successful case, to reduce disruption as far as possible in the failure case and to remain interoperable with unmodified hosts and routers.

#### - Working Group Summary

The IPv6 working group has done extensive review of this document and this document reflects the consensus of the group.

#### - Protocol Quality

This document has been reviewed by members of the ipv6@ietf.org mailing list and by the working group chairs.

This document was reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 5

##### o draft-ietf-enum-void-01.txt

IANA Registration for Enumservice VOID (Proposed Standard)

Note: Last Call ends 5/25 (no controversy expected). PROTO shepherd Rich

Shockey rich@shockey.us

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-enum-void-01.txt to Proposed Standard

-----

Evaluation for draft-ietf-enum-void-01.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12358&rfc_flag=0)

[command=view\\_id&dTag=12358&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12358&rfc_flag=0)

Last Call to expire on: 2005-05-25

Please return the full line with your position.

|                  | Yes | No-Objection | Discuss | Abstain |
|------------------|-----|--------------|---------|---------|
| Brian Carpenter  | [ ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner      | [ ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie       | [ ] | [ X ]        | [ ]     | [ ]     |
| Sam Hartman      | [ ] | [ X ]        | [ ]     | [ ]     |
| Scott Hollenbeck | [ ] | [ ]          | [ X ]   | [ ]     |

|                    |       |       |       |     |
|--------------------|-------|-------|-------|-----|
| Russ Housley       | [ ]   | [ X ] | [ ]   | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ]   | [ ] |
| Allison Mankin     | [ X ] | [ ]   | [ ]   | [ ] |
| Jon Peterson       | [ ]   | [ X ] | [ ]   | [ ] |
| Mark Townsley      | [ ]   | [ ]   | [ ]   | [ ] |
| Margaret Wasserman | [ ]   | [ ]   | [ X ] | [ ] |
| Bert Wijnen        | [ ]   | [ ]   | [ ]   | [ ] |
| Alex Zinin         | [ ]   | [ ]   | [ ]   | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Comment [2005-05-24]:

Added as a comment, as Allison indicated she will pick up the DISCUSS on these points.

The document should describe how to determine the enclosing zone or clearly point to a document in which it is described.

The document states that is not meant to replace IRIS/whois with this mechanism, and that's good; it should also, however, indicate what sorts of information might be expected to be found using specific URIs (mailto: or http) so that it is clear how this differs from administrative directory info.

The document should describe how someone who wished to implement VOID but did not wish to provide further information via http: or mailto: should do so.

Scott Hollenbeck:

Discuss [2005-05-24]:

Section 3, first paragraph: NXDOMAIN is not defined in RFC 1034. That term was introduced in one particular implementation of the DNS. Please change "NXDOMAIN" to "Name Error" and reference RFC 1035 (the code and name is described in section 4.1.1) instead.

Russ Housley:

Comment [2005-05-24]:

Section 2: s/use E.164 numbers E.164 [2] as/use E.164 numbers [2] as/

Margaret Wasserman:

Discuss [2005-05-25]:

## 7. Security Considerations

>> The security considerations section omits the only major concern  
>> that I have with this approach: Will marking the unused addresses  
>> make it easier for a telemarketer (or any person who wishes to  
>> place unsolicited phone calls) to walk the set of E.164 numbers and  
>> determine which ones are currently assigned (i.e. likely to reach a  
>> human being)? Is this a concern at all? If not, perhaps we should  
>> explain why not?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

enum mailing list <enum@ietf.org>,

enum chair <paf@cisco.com>,

enum chair <rich.shockey@neustar.biz>

Subject: Protocol Action: 'IANA Registration for Enumservice VOID' to  
Proposed Standard

The IESG has approved the following document:

- 'IANA Registration for Enumservice VOID '  
<draft-ietf-enum-void-01.txt> as a Proposed Standard

This document is the product of the Telephone Number Mapping Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

## Technical Summary

This document registers the Enumservice 'void' using the URI schemes 'mailto:' and 'http:' as per the IANA registration process defined in the ENUM specification, RFC3761. This Enumservice may be used to indicate that the E.164 number (or E.164 number range) tied to the

domain in which the enclosing NAPTR is published is not assigned for communications service. When such an indication is provided, an ENUM client can distinguish calls that will fail for non-DNS causes.

#### Working Group Summary

The working group found this service both useful and well-defined.

#### Protocol Quality

Allison Mankin was the reviewing Area Director for the IESG. This service has been reported in use by the authors.

#### Note to the RFC Editor

None

#### IESG Note

None

#### Note to the IANA

None

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 1 of 1

- o draft-ietf-dhc-leasequery-08.txt

DHCP Lease Query (Proposed Standard)

Note: Returning to update the status of current discusses from Ted, Russ

and Bert, to resolve the status of old discusses from Thomas and Steve, and

to determine what blocking issues (if any) remain in the latest version of

this document.&nbsp; Thanks.

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-dhc-leasequery-08.txt to Proposed Standard

-----

Evaluation for draft-ietf-dhc-leasequery-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=6297&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6297&rfc_flag=0)

Last Call to expire on: 2003-12-22

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ X ]   | [ ]     |
| Sam Hartman        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Alex Zinin         | [ ]   | [ X ]        | [ ]     | [ ]     |

|                   |     |       |       |     |
|-------------------|-----|-------|-------|-----|
| Harald Alvestrand | [ ] | [ X ] | [ ]   | [ ] |
| Steve Bellovin    | [ ] | [ ]   | [ X ] | [ ] |
| Thomas Narten     | [ ] | [ ]   | [ X ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Discuss [2004-04-02]:

This whole method has "invitation to mischief" printed in large, block letters across its shirt. After being told repeatedly that there is no restriction on the use cases for this mechanism, this text:

For this query, the requester supplies only an IP address in the DHCPLEASEQUERY message. The DHCP server will return any information that it has on the most recent client to have been assigned that IP address.

sets off lots of alarm bells. If I read this right, \*any information\* associated with that IP address is returned? If information used to construct a location object is present (as in the geopriv dhcp-li draft), that would get returned? That seems kind of excessive for an access concentrator, but very, very nice for a black hat. This whole section on Parameter Request List options:

The Parameter Request List option (option 55) SHOULD be set to the options of interest to the requester. The interesting options are likely to include the IP Address Lease Time option (option 51), the Relay Agent Information option (option 82) and possibly the Vendor class identifier option (option 60). In the absence of a Parameter Request List option, the server SHOULD return the same options it would return for a DHCPREQUEST message which didn't contain a DHCPLEASEQUERY message, which includes those mandated by [RFC 2131, Section 4.3.1] as well as any options which the server was configured to always return to a client.

has no restrictions of any type on the return of any data. Why is all of this data being made available via this method?

It's too bad that SNMP is off the table here, as that would give you a realistic way to limit data to specific queries and queriers.

Limiting the protocol to a very specific use that fits the demonstrated need seems like it would make getting the security mechanisms right easier; if this is meant to be truly general purpose, it needs a general purpose mechanism that would give it the same level of security as SNMP would for this same purpose.

Also, why is the exponential backoff for repeated queries a SHOULD here and not a MUST? Are there conditions in which some other backoff is appropriate, but exponential is not? Having any conditions under which there is \*no\* backoff seems pretty bad practice to me....

Russ Housley:

Discuss [2004-03-30]:

Section 7 says:

>

- > DHCP servers SHOULD prevent exposure of location information
- > (particularly the mapping of hardware address to IP address lease,
- > which can be an invasion of broadband subscriber privacy) by
- > employing some form of relay agent authentication between the
- > DHCPLEASEQUERY client and the DHCP server.

>

There needs to be more discussion of the authentication requirements. I would prefer the specification to name a mandatory-to-implement mechanism, but that may be asking too much.

Section 7 also says:

>

- > Clients of the DHCPLEASEQUERY message SHOULD ensure that their data
- > path to the DHCP server is secure.

>

What security services are needed? Integrity, authentication, access control, replay protection confidentiality? The hint about Relay

Agent

Information security, with no reference, is not sufficient.

Comment [2004-03-30]:

Proposed Abstract:

A DHCP server is the authoritative source of IP addresses that it has

provided to DHCP clients. Other processes and devices that already

make use of DHCP may need to access this information. The leasequery

protocol provides these processes and devices a lightweight way to access IP address information.

Allison Mankin:

Comment [2004-04-02]:

Ted has captured all my concerns. No further objection.

It would probably be a good idea for DHCP to have a guideline draft added to its charter that includes principles:

retransmission MUST use exponential backoff

Options that leak location information MUST use privacy considerations: these were exemplified by the GEOCONF option design.

Bert Wijnen:

Discuss [2004-04-02]:

- Have IPCDN and/or ADSLMIB WGs looked at this?  
Both CABLE and ADSL are used as typical examples of where this functionality would be used/needed. So I like to know what these WGs think of this. I see Rich Woundy as one of the authors, he is IPCDN co-chair, so possibly that aspect is OK.
- It seems to be implicitly IPv4 specific without explaining/justifying why  
and uses "IP address" to mean IPv4 addresses only. Do we not want them to either be IPv4/v6 agnostic or to be specific in stating that they are IPv4 only if such is the case and justified?
- what is the status of this solution vs DHCP MIB solution (I thought they were competing solutions some time back).  
The DHC MIB has also been submitted for PS, no? I know it is still in MIB Doctor review... but it is a 2nd solution to same problem.
- The reasonings for not using SNMP and MIB seem very weak to me

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce;;

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>, <dhcwg@ietf.org>

Subject: Protocol Action: 'DHCP Lease Query' to Proposed Standard

The IESG has approved following document:

- 'DHCP Lease Query '

<draft-ietf-dhc-leasequery-06.txt> as a Proposed Standard

This document is the product of the Dynamic Host Configuration Working Group

The IESG contact persons are Margaret Wasserman and Thomas Narten.

#### Technical Summary

A DHCP server contains considerable authoritative information concerning the IP addresses it has leased to DHCP clients. Other processes and devices, many that already send and receive DHCP format packets, sometimes need to access this information. The leasequery protocol is designed to give these processes and devices a lightweight way to access information that may be critical to their operation.

#### Working Group Summary

This document is a work item of the DHC WG, and it represents the consensus of the group. It was updated substantially based on comments from Thomas Narten.

#### Protocol Quality

This document has been reviewed for the IESG by Margaret Wasserman.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 1 of 2

- o draft-gellens-mime-bucket-03.txt

The Codecs Parameter for "Bucket" Media Types (Proposed Standard)

Token: Allison Mankin

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-gellens-mime-bucket-03.txt to Proposed  
Standard

-----

Evaluation for draft-gellens-mime-bucket-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11898&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11898&rfc_flag=0)

Last Call to expire on: 2005-04-11

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-20]:

Editorial comments from Gen-ART review by Mary Barnes:

- Section 2, page 4: The paragraph starting with "Specifically," isn't grammatically correct at all. I would suggest changing the "Specifically," to "This document specifically supports the following:" and then replacing the "."

with "," in the first three bullets and placing an "and" at the end of the third bullet. Also, the indentation for the first bullet is incorrect.

Per Fr»ujdh: The intention of this paragraph is not to say what the document supports, but to indicate the dimension of the current situation that the document addresses and resolves. The intention is to give specific examples:

"Specifically, X can contain a, b or c. Y can contain d, e or f" etc.

Although

I'm not a native speaker of English, I believe the paragraph would be grammatically correct by just making the suggested replacements of "." with ","

and adding the "and".

- Section 3, page 5, first paragraph, last sentence is a bit awkward and inconsistent with section 4: I would suggest to simplify that sentence as "Future

types which contain ambiguity are strongly encouraged to include this parameter." The normative inclusion of the parameter is appropriately addressed

in section 4. If you feel it's important to discuss optionality in this section

of the doc, then that last sentence should be modeled after section 4; e.g. "For

future media types the parameter may be optional or required, as appropriate."

- Section 3, page 5, third paragraph under "Parameter value": "An element MAY

includes..." should be "An element MAY include..."

- Section 5, there's a missing double quote in the "Note:" section.

Ted Hardie:

Comment [2005-05-24]:

While I agree with Russ's comment, I am not sure that this document (or any single document) should make the call for which to give precedence

for all systems. For some systems, getting a bucket mime type with wrong codecs

information may cause the system to throw an error; for others, if the

codecs  
indicated by the parameter are wrong but the ones inside are usable,  
other  
systems  
may choose to render the content. As I read the document it sounds like  
MAY choose to render based on the internal codecs or MAY choose to  
respond  
with an error is about all you could say. There really isn't a way to  
render  
based  
on the external codec parameter if the internal data isn't in that form.

Sam Hartman:

Discuss [2005-05-25]:  
Section 3, 4 and 5 seem inconsistent. Section 3 defines a namespace  
for ISO file formats. Section 4 says that this parameter requires new  
namespace definitions for namespaces that are not ISO file formats.  
Section 5 uses examples that are not consistent with the mp4a and mp4v  
defined in section 3.

If the 3gpp file formats are ISO files in the sense of section 3, then  
section 3 should be expanded to define the necessary namespace entries  
to make section 5 legal. If the 3gpp files do not use the ISO  
namespaces (as I suspect) then this document needs to define the  
namespace they use. In either case the examples need to be consistent  
with the result.

Scott Hollenbeck:

Comment [2005-05-24]:  
The reference to RFC 2234 could be updated to point to  
draft-crocker-abnf-rfc2234bis instead. It's in the RFC Editor queue.

Russ Housley:

Discuss [2005-05-24]:

This specification is needed. However, it needs to say what an  
implementation ought to do if the MIME parameter contradicts  
media content header information. Does the media content header  
information take precedence?

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The Codecs Parameter for "Bucket" Media  
Types' to Proposed Standard

The IESG has approved the following document:

- 'The Codecs Parameter for "Bucket" Media Types '  
<draft-gellens-mime-bucket-03.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Allison Mankin.

#### Technical Summary

Several MIME type/subtype combinations exist which can contain different media formats (audio/3gpp, video/3gpp, and pending audio/3gpp2, video3gpp2).

A receiving agent receiving these needs to examine the details of such media content to determine if the specific elements can be rendered given an available set of codecs. Especially when the end system has limited resources, or the connection to the end system has limited bandwidth, it would be helpful to be informed from the Content-Type alone if the content can be rendered.

This document adds a new parameter, "codecs", to several type/subtype combinations to allow for unambiguous specification of the codecs indicated by the media formats contained within.

#### Working Group Summary

This is an independent submission, but it was reviewed for structure and overall content by the Audio Video Transport Working Group, and it received review comments on the IETF types mailing list. There were revisions of the draft for both reviews. The four week review of the document for IETF Last Call did not elicit further comments.

## Protocol Quality

Allison Mankin was the IESG reviewer.

## Note to the RFC Editor

none

## Note to the IANA

none

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 2

- o draft-hoffman-gopher-uri-03.txt  
The gopher URI Scheme (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-hoffman-gopher-uri-03.txt to Proposed Standard

-----

Evaluation for draft-hoffman-gopher-uri-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12230&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12230&rfc_flag=0)

Last Call to expire on: 2005-03-04

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-23]:

Some editorial comments from Gen-ART review by Elwyn Davies,

> two queries and an editorial

> nit:

> - In the abstract we have 'This document specifies the gopher1  
Uniform...'

>

===

> I presume this is a mistake rather than intentional and should be  
'gopher'.

> - Although this is not a new scheme, I guess this document ought to  
have a  
short

> IANA considerations section instructing IANA to update the reference  
for the

> gopher URI scheme from RFC1738 to whatever RFC this becomes.

> - Section 3: For consistency in the second sentence:

> s/gopher protocol/Gopher protocol/

Russ Housley:

Comment [2005-05-24]:

In the abstract: s/gopher1/gopher/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The gopher URI Scheme' to Proposed Standard

The IESG has approved the following document:

- 'The gopher URI Scheme '  
<draft-hoffman-gopher-uri-03.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This document specifies the gopher Uniform Resource Identifier (URI) scheme that was originally specified in RFC 1738. The purpose of this document is to allow RFC 1738 to be made obsolete while keeping the information about the scheme on the standards track and appropriately referenced within the IANA registry.

#### Working Group Summary

This document is the product of an individual submitter, but the strategy of splitting RFC 1738's registrations was discussed by the URI mailing list.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

### 2.2.2 Returning Item

NONE

### 3.1.1 New Item

NONE

### 3.1.2 Returning Item

NONE

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item - 1 of 5

- o draft-adrangi-eap-network-discovery-13.txt

Identity selection hints for Extensible Authentication Protocol (EAP)

(Informational)

Token: Margaret Wasserman

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-adrangi-eap-network-discovery-13.txt to Informational RFC

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Evaluation for draft-adrangi-eap-network-discovery-13.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11840&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11840&rfc_flag=0)

Last Call to expire on: 2005-02-11

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ X ] | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-23]:

Review comments from Spencer Dawkins:

...it occurred to me to wonder why this draft wouldn't be published as an

Experimental RFC, since it changes the bits on the wire in a Proposed Standard,

it's useful but has some scaling problems,...

...a couple of editorial comments.

In the Abstract - "EAP peer" may not be common usage. Is there any clarifying text that could be added to the first sentence?

In the "Security considerations" section, first paragraph, it would be nice to explain a little more about what the peer does when it treats the NAIRealms attribute as a hint.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Mediating Network Discovery in the  
Extensible Authentication Protocol (EAP)' to Informational RFC

The IESG has approved the following document:

- 'Mediating Network Discovery in the Extensible Authentication Protocol  
(EAP)

,

<draft-adrangi-eap-network-discovery-07.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Margaret Wasserman.

#### Technical Summary

The Extensible Authentication Protocol (EAP) is defined in RFC 3748.  
This document defines a mechanism that allows an access network to  
provide identity selection hints to an EAP peer. The purpose is to  
assist the EAP peer in selecting an appropriate Network Access  
Identifier (NAI). This is especially useful when the access network  
does not have a direct roaming relationship with the peer's home  
network, so that a mediating network, such as a roaming consortium or  
broker, is used.

The mechanism defined in this document is primarily intended for  
advertising connectivity of access network to a limited number of  
roaming partners that find such advertisement useful.

#### Working Group Summary

This document was an individual submission, but it was reviewed by  
the EAP WG.

#### Protocol Quality

This document was reviewed for the IESG by Margaret Wasserman.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 2 of 5

- o draft-ietf-tools-draft-submission-09.txt

Requirements for an IETF Draft Submission Toolset (Informational)

Token: Brian Carpenter

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-tools-draft-submission-09.txt to  
Informational

RFC

-----

Evaluation for draft-ietf-tools-draft-submission-09.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12281&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12281&rfc_flag=0)

Last Call to expire on: 2005-03-28

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ X ] | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ ]          | [ X ]   | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Ted Hardie:

Discuss [2005-05-24]:

The document give the following requirement:

The Toolset sources should be publicly available (R152/b) under a license certified by the Open Source Initiative [OSI] (R144/a), with an interface to report bugs and request enhancements (R145/b). These requirements are meant to enable the Toolset transfer from one management team to another and to allow for public review and contribution. To meaningfully satisfy these availability requirements, the Toolset has to implement the required functionality without relying on software with different availability conditions.

First, I believe it would be more appropriate to have requirements that the toolset be implementable by multiple management teams and allow for public review and contribution. The use of an open source license is a mechanism to meet those requirements.

Second, the following phrase "the Toolset has to implement the required functionality without relying on software with different availability conditions" would seem to imply that the toolset could not be implemented on a platform that

was proprietary  
even if all the Toolset-specific pieces were licensed in such a way that  
they could  
also be implemented on another platform. This might be true at the OS  
level or  
at something like a database back end; eliminating the possibility of  
using a  
commercial database if the code would also run on an open-source one  
seems  
overly limiting. I also note that many Open Source license have  
"availability  
conditions", and this may cut out more than is intended.

Third, the citation for [OSI] is dated, and it probably should not be,  
since I would  
guess the IETF wants the living list, not the version as of some date in  
2004. I  
think a URI of the form <http://www.opensource.org/licenses/> is about the  
best  
we're going to be able to do there.

Fourth, it is not clear whether this allows the different pieces to be  
under different  
OSI-blessed licenses. I have personally seen silly states arise when  
trying to use the  
NASA license with other licenses. The OSI blessing did not exist at the  
time, and they  
may check that each license can be used combinatorially with all others,  
but I don't see  
anything on their site that indicates it.

I'm stopping with the numbering here. I think this particular approach  
is well-intentioned,  
but we're not lawyers and I get the heebie-jeebies whenever a spec has  
something like  
this in it. The unintended consequences list can be as long as a lawyer  
cares to make it,  
and they work by the hour. Can we stick with the requirements and leave  
the license  
choices to good sense?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Document Action: 'Requirements for an IETF Draft Submission  
Toolset' to Informational RFC

The IESG has approved the following document:

- 'Requirements for an IETF Draft Submission Toolset '  
<draft-ietf-tools-draft-submission-09.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Brian Carpenter.

#### Technical Summary

This document specifies requirements for a toolset to support Internet-Draft submission, validation and posting.

#### TOOLS Team Summary

This is the result of discussion in the TOOLS team and significant public comment during IETF Last Call. The requirements and their priorities represent rough consensus among the participants.

#### Technical Quality

Brian Carpenter reviewed the specification. It has not been implemented but appears to be implementable.

#### RFC Editor Note

(Insert RFC Editor note here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.2.1 New Item - 3 of 5

- o draft-lilly-text-troff-03.txt

Media subtype registration for media type text/troff (Informational)

Token: Scott Hollenbeck

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-lilly-text-troff-03.txt to Informational RFC

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Evaluation for draft-lilly-text-troff-03.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12602&rfc_flag=0)

[command=view\\_id&dTag=12602&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12602&rfc_flag=0)

Last Call to expire on: 2005-04-29

Please return the full line with your position.

|                  | Yes   | No-Objection | Discuss | Abstain |
|------------------|-------|--------------|---------|---------|
| Brian Carpenter  | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner      | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie       | [ ]   | [ ]          | [ X ]   | [ ]     |
| Sam Hartman      | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens    | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin   | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson     | [ ]   | [ ]          | [ ]     | [ ]     |

|                    |     |     |     |     |
|--------------------|-----|-----|-----|-----|
| Mark Townsley      | [ ] | [ ] | [ ] | [ ] |
| Margaret Wasserman | [ ] | [ ] | [ ] | [ ] |
| Bert Wijnen        | [ ] | [ ] | [ ] | [ ] |
| Alex Zinin         | [ ] | [ ] | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2005-05-20]:

(from Gen-ART review by Elwyn Davies)

...this document appears almost ready for publication. Clearly troff, nroff and their many relations are still hale and hearty and are in regular use (as we know only too well for RFCs) so that this is a useful document and appears to cover the area satisfactorily. There is one item which seems to need improvement and a couple of minor quibbles.

Security Considerations: The second (and last) sentence states: "Additional considerations may apply in some contexts (e.g. MIME [I17.RFC2049])." This is a vague catch-all which I think needs some refinement. I also can't see the relevance of RFC2049.. maybe RFC2046 might be a better reference here? I can't suggest new text because I am unsure what the author means by it.

A couple of quibbles:

The lists of formatters and format converters in 'Applications which use this media type' may not be complete.. I can think of at least one other that has (and may still be around - I am not a xroff user these days) - psroff. Is this intended to be complete? or should it include something like '... and equivalent tools'?

Appendix B: we appreciate that the author has objections to some of the legalistic flights of fancy that are required features of I-Ds and RFCs, but I

would venture to suggest that the irony is misplaced here, and may even have been overtaken by events... the boilerplate moves faster than the I-D production process?

Reference to RFC2048: The document should refer to and provide the relevant normative reference to RFC2048 which specifies the format of the registration form at the heart of the document.

Ted Hardie:

Discuss [2005-05-24]:  
The document currently says this:

A command line, such as may be suggested via the optional "process" parameter, is a powerful tool when used by a computer-literate person. Individuals lacking basic security knowledge and/or common sense SHOULD NOT be given unsupervised access to a command line. Users of this media type SHOULD carefully scrutinize the suggested command pipeline and media content before executing commands.

I don't see who exactly we're tasking with this supervision. I suggest the following replacement:

Users of this media type SHOULD carefully scrutinize suggested command pipelines associated with the process: parameter both for attempts at social engineering and for the affects of ill-considered values of the parameter.  
While some implementations may have "safe" modes, those using this parameter MUST NOT presume that they are available or active.

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Document Action: 'Media subtype registration for media type  
text/troff' to Informational RFC

The IESG has approved the following document:

- 'Media subtype registration for media type text/troff '  
<draft-lilly-text-troff-03.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Scott Hollenbeck.

#### Technical Summary

This document describes a text media subtype for tagging content consisting of juxtaposed text and formatting directives as used by the troff series of programs and for conveying information about the intended processing steps necessary to produce formatted output. A template to register the text/troff MIME media type in the standards tree is included.

#### Working Group Summary

This document is the work of an individual submitter. It was subjected to MIME-types review, but it has not been reviewed by an IETF working group. MIME-type review comments have been incorporated into the document.

#### Protocol Quality

Scott Hollenbeck has reviewed this document for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable  
contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"

3.2.1 New Item - 4 of 5

o draft-mraihi-oath-hmac-otp-04.txt

HOTP: An HMAC-based One Time Password Algorithm (Informational)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-mraihi-oath-hmac-otp-04.txt to Informational RFC

-----

Evaluation for draft-mraihi-oath-hmac-otp-04.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12469&rfc_flag=0)

[command=view\\_id&dTag=12469&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12469&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ ]     | [ ]     |
| Scott Hollenbeck   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley       | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ ]     | [ ]     |
| Allison Mankin     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ ]          | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ ]          | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====

Scott Hollenbeck:

Comment [2005-05-24]:

Not a discuss since this is an Informational document and these are

editorial  
issues:

There probably shouldn't be a reference in the Abstract.

Please expand the HOTP acronym on first use in Section 1.

Please add cite RFC 2119 in Section 3.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'HOTP: An HMAC-based One Time Password  
Algorithm' to Informational RFC

The IESG has approved the following document:

- 'HOTP: An HMAC-based One Time Password Algorithm '  
<draft-mraihi-oath-hmac-otp-04.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

#### Technical Summary

This document describes an algorithm to generate one-time password values, based on HMAC. A security analysis of the algorithm is presented, and important parameters related to the secure deployment of the algorithm are discussed. The proposed algorithm can be used across a wide range of network applications ranging from remote VPN access, Wi-Fi network logon to transaction-oriented Web applications.

This work is a joint effort by the OATH (Open AuTHentication) membership to specify an algorithm that can be freely distributed to the technical community. The authors believe that a common and shared algorithm will facilitate adoption of two-factor authentication on the Internet by enabling interoperability across commercial and open source implementations.

## Working Group Summary

This is an individual contribution. No IETF WG was involved in the development. The algorithm was presented at the SAAG session during IETF 62 in an attempt to encourage comment and review.

## Protocol Quality

This document was reviewed by Russ Housley for the IESG.

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item - 5 of 5

o draft-lee-rfc4009bis-01.txt

The SEED Encryption Algorithm (Informational)

Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-lee-rfc4009bis-01.txt to Informational RFC

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Evaluation for draft-lee-rfc4009bis-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13110&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13110&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                 | Yes | No-Objection | Discuss | Abstain |
|-----------------|-----|--------------|---------|---------|
| Brian Carpenter | [ ] | [ ]          | [ X ]   | [ ]     |

|                    |       |       |     |     |
|--------------------|-------|-------|-----|-----|
| Bill Fenner        | [ ]   | [ ]   | [ ] | [ ] |
| Ted Hardie         | [ ]   | [ X ] | [ ] | [ ] |
| Sam Hartman        | [ ]   | [ ]   | [ ] | [ ] |
| Scott Hollenbeck   | [ ]   | [ X ] | [ ] | [ ] |
| Russ Housley       | [ X ] | [ ]   | [ ] | [ ] |
| David Kessens      | [ ]   | [ ]   | [ ] | [ ] |
| Allison Mankin     | [ ]   | [ ]   | [ ] | [ ] |
| Jon Peterson       | [ ]   | [ ]   | [ ] | [ ] |
| Mark Townsley      | [ ]   | [ ]   | [ ] | [ ] |
| Margaret Wasserman | [ ]   | [ ]   | [ ] | [ ] |
| Bert Wijnen        | [ ]   | [ ]   | [ ] | [ ] |
| Alex Zinin         | [ ]   | [ ]   | [ ] | [ ] |

2/3 (9) Yes or No-Objection opinions needed to pass.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Discuss [2005-05-23]:

Apparent text ambiguities (from review by Joel Halpern):

This is nearly ready for publication as an informational RFC. However, it still retains ambiguities that seem distinctly undesirable.

The algorithm in section 2 reads:

Input : (L, R)

for i = 1 to 15

L = R, R = L ^ F(Ki, R)

L = L ^ F(K16, R), R=R

Output : (L, R)

The problem with this is that, as written, this appears to discard the upper 64 bits of key each time through.

I presume that the intent is to save the original R, use the original L and R, and end up with the old R in L and the new R in R. i.e.

T = R;

R = L ^ F(Ki, R);

L = T;

Presumably the authors intended comma separated expressions in pseudo code to be simultaneous assignment. Most readers won't read it that way. Such usage is at best confusing.

This is also the only section where the lack of explicit definition for the pseudo-code language matters. But it does matter here.

It would be helpful if the division of blocks (or keys) into parts in sections 2 and 2.1 was more explicit (as section 2.2 is) about which part gets the more significant bits, and which part gets the less significant bits. The reader can guess, but guessing is not good specification. Thus, the L and R of section 2 should indicate which block is the most significant 64 bits of the input block. Similarly, Section 2.1 should explicitly indicate which block (R0 and R1) is the more significant 32 bits of R. And Ki0 and Ki1 should explicitly state which portions of the Ki input they correspond to. I believe the authors intended the reader to make assumptions based on the notation (L, R), but since this notation is never defined, such assumptions are unwarranted. Section 2.2 does this properly.

I don't know if it matters, but I can not find the definitions of m0, m1, m2, and m3 in section 2.2. (It does not seem to matter much, since the actual usage of the m's is captured in the relationship between the S and SS values, which are documented in the appendix.)

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The SEED Encryption Algorithm' to \*\*\* YOU  
MUST SELECT AN INTENDED STATUS FOR THIS DRAFT AND REGENERATE  
THIS TEXT

\*\*\*

The IESG has approved the following document:

- 'The SEED Encryption Algorithm '

<draft-lee-rfc4009bis-00.txt> as \*\*\* YOU MUST SELECT AN INTENDED  
STATUS FOR  
THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

## Technical Summary

This document describes the SEED encryption algorithm which has been adopted by most of the security systems in the Republic of Korea. The document includes a description of the cipher, the key scheduling algorithm, the S-boxes, and a set of test vectors (Appendix B).

## Working Group Summary

The revision to RFC 4009 was started because the RFC Editor told the author that they do not have the bandwidth to publish errata. It seems that a revision is the only way to effectively deal with errata. The revision also attempts to add clarity. The SEED algorithm itself is not changed.

This is an individual submission. No working group has reviewed it.

## Protocol Quality

This document was reviewed by Russ Housley for the IESG.

## 3. Document Actions

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.2.2 Returning Item - 1 of 1

##### o Three-document ballot:

- draft-katz-submitter-01.txt

SMTP Service Extension for Indicating the Responsible Submitter of an

E-mail Message (Experimental)

Note: Revision received; please review 01

- draft-lyon-senderid-core-01.txt

Sender ID: Authenticating E-Mail (Experimental)  
Note: Sent to dea-dir  
- draft-lyon-senderid-pra-01.txt  
Purported Responsible Address in E-Mail Messages (Experimental)  
Note: Sent to dea-dir  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-katz-submitter-01.txt to Experimental RFC,  
draft-lyon-senderid-core-01.txt to Experimental RFC,  
draft-lyon-senderid-pra-01.txt to Experimental RFC

-----

Evaluation for draft-katz-submitter-01.txt, draft-lyon-senderid-core-01.txt,  
draft-lyon-senderid-pra-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12540&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12540&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                    | Yes   | No-Objection | Discuss | Abstain |
|--------------------|-------|--------------|---------|---------|
| Brian Carpenter    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie         | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman        | [ ]   | [ ]          | [ . ]   | [ X ]   |
| Scott Hollenbeck   | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley       | [ ]   | [ ]          | [ X ]   | [ ]     |
| David Kessens      | [ ]   | [ ]          | [ X ]   | [ ]     |
| Allison Mankin     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Jon Peterson       | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Margaret Wasserman | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bert Wijnen        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Alex Zinin         | [ ]   | [ ]          | [ ]     | [ ]     |

Harald Alvestrand [ ] [ X ] [ ] [ ]

2/3 (9) Yes or No-Objection opinions needed to pass.

DISCUSSES AND COMMENTS:

=====  
Brian Carpenter:

Comment [2005-05-20]:

I have followed Harald's lead = no objection

Sam Hartman:

Comment [2005-05-25]:

I cannot support publication of this ballot because I believe that the conflicting use of the spf1 records between this proposal and the SPF proposal is harmful to the Internet. Particularly given that there was marid wg consensus on this point I'm unwilling to block publication over this issue although I understand others may.

Scott Hollenbeck:

Discuss [2005-02-16]:

The Sender ID specifications currently reference draft-lentczner-spf-00. That draft has been superceded by draft-schlitt-spf-classic-00. There are some significant differences between the two SPF drafts that might require mods to the Sender ID drafts to preserve older functionality:

1. When the domain name is malformed or when the DNS query returns "non-existent domain", the Schlitt draft now requires receivers to perform a second DNS query at the "zone cut" in order to find an SPF record. When doing the PRA check, the Sender ID drafts specify an immediate "fail." The second DNS query is not needed and can be addressed via an amendment to draft-lyon-senderid-core-00 in order to preserve the currently specified behavior.
2. The Schlitt draft makes a second DNS query at the zone cut mandatory whenever an SPF record for the domain is not found on the first DNS query. The reliability and/or utility of such a check is debatable. In the case of the PRA check, it would appear to require additional DNS queries in very many cases for questionable benefit. draft-lyon-senderid-core-00 could be amended to state that a second query at the zone cut is OPTIONAL when performing a PRA check.

References etc. will need to be cleaned up as well.

Russ Housley:

Discuss [2005-02-03]:

draft-lyon-senderid-core-00 sepcifies SPF version 2. The title should

reflect this fact.

Does draft-lyon-senderid-core-00 obsolete the SPF version 1 document?

Comment [2005-02-03]:

A custom IESG note is appropriate for draft-lyon-senderid-core-00. Some of the points raised by David Kessens on the SPF version 1 document (draft-schlitt-spf-classic-00) should be captured there, as they apply equally well to both documents.

David Kessens:

Discuss [2005-02-17]:

I have serious reservations about the SPF solution. However, I did not stand in the way of publication due to the consideration that I rather have a deployed technology documented.

The same considerations and issues as described in the tracker regarding the SPF draft apply here, except that it is not clear to me what the deployment status is.

In addition, I think it needs to be made much more clear in both drafts what the differences are. I don't think it is clear at all whether senderid is really a version 2 of spf or that it is something different altogether.

Allison Mankin:

Comment [2005-02-03]:

It seems like a good idea to for this work to have documents for experimental deployment.

Is it worth adding references to some documents about remedies in the Security Considerations of senderid-core (specifically to how TCPs decrease risks of blind insert attacks and to the ingress filtering RFC, and to the DNSSEC spec)?

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'SMTP Service Extension for Indicating the  
Responsible Submitter of an E-mail Message' to Experimental RFC

The IESG has approved the following document:

- 'SMTP Service Extension for Indicating the Responsible Submitter of an  
E-mail

Message '

<draft-katz-submitter-00.txt> as an Experimental RFC

This document has been reviewed in the IETF but is not the product of an  
IETF Working Group.

The IESG contact person is Ted Hardie.

#### Technical Summary

This group of documents represents an experimental view of one way  
to handle DNS-based email authentication. Though it relies on concepts  
in the SPF documents, it has a different set of intended scopes and  
facilities.

#### Working Group Summary

This was originally part of the work of MARID, which was unable to come  
to consensus on the appropriate set of scopes and facilities for DNS-  
based  
email authentication. Because of that lack of consensus, this work is  
targetted at Experimental, rather than standards track status. It is  
hoped that  
additional deployment will help demonstrate which among the proposed  
scopes is useful, and that those can later proceed to standards track  
status.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie and by the DEA Directorate for the Applications Area Directors.

RFC Editor Note

(Insert RFC Editor note here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Layer 1 Virtual Private Networks (l1vpn) - 1 of 1  
Token: Alex Zinin

Layer 1 Virtual Private Networks (l1vpn)

=====

Last Modified: 2005-05-16

Current Status: Proposed Working Group

Chair(s):

TBD

TBD

Routing Area Director(s):  
Bill Fenner <fenner@research.att.com>  
Alex Zinin <zinin@psg.com>

Routing Area Advisor:  
Alex Zinin <zinin@psg.com>

Technical Advisor(s):  
TBD

Mailing Lists:  
General Discussion: [l1vpn@ietf.org](mailto:l1vpn@ietf.org)  
To Subscribe: <https://www1.ietf.org/mailman/listinfo/l1vpn>  
Archive: <http://www.ietf.org/mail-archive/web/l1vpn/index.html>

#### Description of Working Group:

The L1VPN Working Group's task is to specify mechanisms necessary for providing a VPN service over a GMPLS-enabled transport service-provider network.

The following two service models will be addressed:

1. Basic mode: the CE-PE interface's functional repertoire is limited to path setup signalling only. Provider's network is not involved in distribution of user's routing information.
2. Enhanced mode: the CE-PE interface provides the signaling capabilities as in the Basic mode, plus permits limited exchange of information between the control planes of the provider and the user to help such functions as discovery of reachability information in remote sites, or parameters of the part of the provider's network dedicated to the user.

The WG will work on the following items:

1. Framework document defining the reference network model, L1VPN service model, fundamental assumptions, and terminology.
2. Specification of the L1VPN signaling functionality between the user and the provider network to support the basic mode.
3. Specification of the L1VPN signaling and routing functionality within

the provider network to support the basic mode.

4. OAM features and MIB modules and/or extensions required for the basic mode.

5. Specification of the L1VPN signaling and routing functionality between the user and the provider network to support the extended mode.

6. Specification of the L1VPN signaling and routing functionality within the provider network to support the extended mode.

7. OAM features and MIB modules and/or extensions required for the extended mode.

8. Applicability guidelines to compare the basic and extended modes.

At this point the WG will address the single-AS scenario only. The multi-AS/provider scenario may be considered in future.

Protocol extensions required for L1VPN will be done in cooperation with MPLS, CCAMP, OSPF, IS-IS, IDR, L3VPN, and other WGs where necessary.

Where

necessary, the WG shall also cooperate with ITU-T through the established IETF process.

Milestones:

Sep 05 Submit first Internet Draft of L1VPN framework

Sep 05 Submit first Internet Drafts of basic mode specifications

Dec 05 Submit first Internet Drafts of MIB modules for basic mode

Apr 06 Submit basic mode specifications to IESG for publication as Proposed Standard

Jun 06 Submit first Internet Drafts of enhanced mode specifications

Aug 06 Submit MIB modules for basic mode to IESG for publication as Proposed Standard

Dec 06 Submit enhanced mode specifications to IESG for publication as Proposed Standard

Dec 06 Submit L1VPN framework to IESG for publication as Informational RFC

Aug 07 Submit MIB modules for enhanced mode to IESG for publication as Proposed Standard

Dec 07 Recharter or disband

Related Documents:

draft-takeda-l1vpn-framework-03.txt  
draft-takeda-l1vpn-applicability-02.txt  
draft-ouldbrahim-ppvpn-gvpn-bgpgmpls-06.txt  
draft-ietf-ccamp-gmpls-overlay-05.txt

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.2 Proposed for Approval

- o ADSL MIB (adslmib) - 1 of 1

Token: Bert Wijnen

ADSL MIB (adslmib)

-----

Last Modified: 2005-5-12

Current Status: Active Working Group

Chair(s):

Bob Ray <rray@pesa.com>

Michael Sneed <sneedmike@hotmail.com>

Operations and Management Area Director(s):

Bert Wijnen <bwijnen@lucent.com>

David Kessens <david.kessens@nokia.com>

Operations and Management Area Advisor:  
Bert Wijnen <bwijnen@lucent.com>

Technical Advisor(s):  
Randy Presuhn <randy\_presuhn@mindspring.com>

Mailing Lists:  
General Discussion: [adslmib@ietf.org](mailto:adslmib@ietf.org)  
To Subscribe: <https://www1.ietf.org/mailman/listinfo/adslmib>  
Archive: <http://www.ietf.org/mail-archive/web/adslmib/index.html>

#### Description of Working Group:

The working group will define a set of managed objects to be used for management of newer versions of Asymmetric Digital Subscriber Line (ADSL), called ADSL2 and ADSLplus, as defined in ITU-T Recommendation G.997.1 (2003) and ITU-T Recommendation G.997.1 Amendment 1 (December 12, 2003). The MIB defined by this group will be generated using SMIV2, will be consistent with the SNMP management framework, and will describe the relationship of the objects defined to existing MIBs such as those described in other work products of this Working Group, the interfaces MIB, and the ATOM MIB.

The working group will consider the input of the DSL forum and the ITU in the definition of this MIB.

#### (New) Goals and Milestones:

[.. dropped all the DONE items for now]

May 05 Initial WG Internet-Draft covering ADSL2 management objects.  
June 05 Integrate working group changes and produce revised draft.  
Sept 05 Complete WG last call on ADSL2 MIB.  
Oct 05 Submit ADSL2 MIB to IESG for consideration as Proposed Standard.  
Dec 05 Re-charter or close down.

## 5. IAB News We Can Use

### 6. Management Issues

6.1 Management Item to approve sending draft-iesg-media-type-00.txt (Ted Hardie)

## 7. Working Group News We Can Use

Brian Carpenter  
Bill Fenner  
Ted Hardie  
Sam Hartman  
Scott Hollenbeck  
Russ Housley  
David Kessens  
Allison Mankin  
Jon Peterson  
Mark Townsley  
Margaret Wasserman  
Bert Wijnen  
Alex Zinin

Return-path: <iesg-bounces@ietf.org>  
Envelope-to: iesg-secret-archive@optimus.ietf.org  
Received: from [127.0.0.1] (helo=stiedprmmman1.va.neustar.com)  
by megatron.ietf.org with esmtp (Exim 4.43)  
id 1FbgVy-0005ls-Ju; Thu, 04 May 2006 12:17:18 -0400  
Received: from [10.91.34.44] (helo=ietf-mx.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.43) id 1FbgVx-0005ln-Qq  
for iesg@ietf.org; Thu, 04 May 2006 12:17:17 -0400  
Received: from mail-red.research.att.com ([192.20.225.110])  
by ietf-mx.ietf.org with esmtp (Exim 4.43) id 1FbgVw-0002GP-Kt  
for iesg@ietf.org; Thu, 04 May 2006 12:17:17 -0400  
Received: from bright.research.att.com (bright.research.att.com  
[135.207.20.189])  
by mail-green.research.att.com (Postfix) with ESMTP id 42CD88769  
for <iesg@ietf.org>; Thu, 4 May 2006 12:17:16 -0400 (EDT)  
Received: (from fenner@localhost)  
by bright.research.att.com (8.12.11.20060308/8.12.10/Submit) id  
k44GHGsu013792; Thu, 4 May 2006 09:17:16 -0700  
From: Bill Fenner <fenner@research.att.com>  
Message-Id: <200605041617.k44GHGsu013792@bright.research.att.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
To: Internet Engineering Steering Group <iesg@ietf.org>  
Date: Thu, 4 May 2006 09:17:16 -0700

Versions: dmail (linux) 2.7/makemail 2.14  
X-Spam-Score: 0.0 (/)  
X-Scan-Signature: cf4fa59384e76e63313391b70cd0dd25  
Subject: Re: Evaluation: draft-josefsson-rfc3548bis-03.txt to Proposed  
Standard  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www1.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Errors-To: iesg-bounces@ietf.org

A question, which I'm not even ready to put in a COMMENT at the moment:  
is it wise to have a character from the "reserved" [sub-delims]  
production  
in the "URL safe" base64 alphabet (=)? The only remaining "unreserved"  
characters are ~ (already addressed) and ".", which could have its own  
problems wrt "filename-safe".

[I ask because I saw a brief discussion go by from two people discussing  
base64-encoded data in URLs and they were explicitly talking about  
needing to percent-encode the "=" and they decided to instead discard  
the padding and make the padding implicit. RFC 1738 does imply that  
"=" has to be encoded unless it's being used for a scheme-specific  
purpose; RFC 3986 is more clear on this point but helper libraries  
etc. are likely to be based on the older document.]

Bill

Return-path: <[iesg-bounces@ietf.org](mailto:iesg-bounces@ietf.org)>  
Envelope-to: [iesg-secret-archive@optimus.ietf.org](mailto:iesg-secret-archive@optimus.ietf.org)  
Received: from [127.0.0.1] (helo=stiedprmmman1.va.neustar.com)  
by megatron.ietf.org with esmtp (Exim 4.43)  
id 1FdnUl-0007Cp-Cd; Wed, 10 May 2006 08:08:47 -0400  
Received: from [10.91.34.44] (helo=ietf-mx.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.43) id 1FdnUj-0007Ck-Ub  
for iesg@ietf.org; Wed, 10 May 2006 08:08:45 -0400  
Received: from stsc1260-eth-s1-s1p1-vip.va.neustar.com ([156.154.16.129])

helo=pine.neustar.com) by ietf-mx.ietf.org with esmtp (Exim 4.43)  
id 1FdnUi-0002EF-Kq  
for iesg@ietf.org; Wed, 10 May 2006 08:08:45 -0400  
Received: from ietf.org (stiedprweb1.va.neustar.com [10.91.34.42])  
by pine.neustar.com (8.12.8/8.12.8) with ESMTP id k4AC8dX0020611  
(version=TLSv1/SSLv3 cipher=DHE-RSA-AES256-SHA bits=256  
verify=NOT);  
Wed, 10 May 2006 12:08:40 GMT  
Received: from mirror by ietf.org with local (Exim 4.43)  
id 1FdnUd-0008UZ-SJ; Wed, 10 May 2006 08:08:39 -0400  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
To: iesg@ietf.org  
From: Bill Fenner <fenner@research.att.com>  
Message-Id: <E1FdnUd-0008UZ-SJ@ietf.org>  
Date: Wed, 10 May 2006 08:08:39 -0400  
X-Spam-Score: -1.7 (-)  
X-Scan-Signature: 1ac7cc0a4cd376402b85bc1961a86ac2  
Cc: simon@josefsson.org  
Subject: COMMENT: draft-josefsson-rfc3548bis  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www1.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Errors-To: iesg-bounces@ietf.org

Comment:

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"=" has to be encoded unless it's being used for a scheme-specific  
purpose; RFC 3986 is more clear on this point but helper libraries

etc. are likely to be based on the older document.]

Return-path: <iesg-bounces@ietf.org>  
Envelope-to: iesg-secret-archive@optimus.ietf.org  
Received: from [127.0.0.1] (helo=stiedprmmman1.va.neustar.com)  
by megatron.ietf.org with esmtp (Exim 4.43)  
id 1Fdo0l-0003Eu-Ra; Wed, 10 May 2006 08:41:51 -0400  
Received: from [10.91.34.44] (helo=ietf-mx.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.43) id 1Fdo0k-0003Eh-5d  
for iesg@ietf.org; Wed, 10 May 2006 08:41:50 -0400  
Received: from 178.230.13.217.in-addr.dgcsystems.net ([217.13.230.178]  
helo=yxa.extundo.com) by ietf-mx.ietf.org with esmtp (Exim 4.43)  
id 1Fdo0i-0003cH-Op  
for iesg@ietf.org; Wed, 10 May 2006 08:41:50 -0400  
Received: from localhost.localdomain (yxa.extundo.com [217.13.230.178])  
(authenticated bits=0)  
by yxa.extundo.com (8.13.4/8.13.4/Debian-3sarge1) with ESMTP id  
k4ACfW0I028279  
(version=TLSv1/SSLv3 cipher=DHE-RSA-AES256-SHA bits=256  
verify=NO);  
Wed, 10 May 2006 14:41:33 +0200  
From: Simon Josefsson <jas@extundo.com>  
To: Bill Fenner <fenner@research.att.com>  
References: <E1FdnUd-0008UZ-SJ@ietf.org>  
OpenPGP: id=B565716F; url=http://josefsson.org/key.txt  
X-Hashcash: 1:22:060510:iesg@ietf.org::2qZQgBbEhgdXGae6:qh  
X-Hashcash: 1:22:060510:fenner@research.att.com::gWALF/Ui0EpZQLBi:6i1K  
Date: Wed, 10 May 2006 14:41:32 +0200  
In-Reply-To: <E1FdnUd-0008UZ-SJ@ietf.org> (Bill Fenner's message of  
"Wed, 10  
May 2006 08:08:39 -0400")  
Message-ID: <87vесеaw77.fsf@latte.josefsson.org>  
User-Agent: Gnus/5.110006 (No Gnus v0.6) Emacs/22.0.50 (gnu/linux)  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
X-Spam-Status: No, score=-2.5 required=5.0 tests=AWL,BAYES\_00,  
FORGED\_RCVD\_HELO autolearn=ham version=3.1.0  
X-Spam-Checker-Version: SpamAssassin 3.1.0 (2005-09-13) on yxa-iv  
X-Virus-Scanned: ClamAV version 0.88.2,  
clamav-milter version 0.88.2 on yxa.extundo.com  
X-Virus-Status: Clean  
X-Spam-Score: 1.2 (+)  
X-Scan-Signature: 52e1467c2184c31006318542db5614d5  
Cc: iesg@ietf.org

Subject: Re: COMMENT: draft-josefsson-rfc3548bis  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
                  <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www1.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
                  <<mailto:iesg-request@ietf.org?subject=subscribe>>  
Errors-To: iesg-bounces@ietf.org

Bill Fenner <[fenner@research.att.com](mailto:fenner@research.att.com)> writes:

> Comment:  
> Is it wise to have a character from the "reserved" [sub-delims]  
production  
> in the "URL safe" base64 alphabet (=)? The only remaining  
"unreserved"  
> characters are ~ (already addressed) and ".", which could have its own  
> problems wrt "filename-safe".

If both ~ and . are problematic, I don't see a better choice than  
keeping with = for the pad. Or do you have another character in mind?

I have added change the paragraph into:

An alternative alphabet has been suggested that used "~" as the 63rd  
character. Since the "~" character has special meaning in some file  
system environments, the encoding described in this section is  
recommended instead. The remaining unreserved URI character is ".",  
but some file system environments does not permit multiple "." in a  
filename, thus making the "." character unattractive as well.

Does this address your concern?

> [I ask because I saw a brief discussion go by from two people  
discussing  
> base64-encoded data in URLs and they were explicitly talking about  
> needing to percent-encode the "=" and they decided to instead discard  
> the padding and make the padding implicit. RFC 1738 does imply that  
> "=" has to be encoded unless it's being used for a scheme-specific  
> purpose; RFC 3986 is more clear on this point but helper libraries  
> etc. are likely to be based on the older document.]

Removing the padding and making it implicit is already possible, see section 3.2. In many situations (e.g., base64 of hash values), this is better.

Thanks,  
Simon

Return-path: <iesg-bounces@ietf.org>  
Envelope-to: iesg-secret-archive@optimus.ietf.org  
Received: from [127.0.0.1] (helo=stiedprmm1.va.neustar.com)  
by megatron.ietf.org with esmtp (Exim 4.43)  
id 1FdxMJ-0008Em-7b; Wed, 10 May 2006 18:40:43 -0400  
Received: from [10.91.34.44] (helo=ietf-mx.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.43) id 1FdxMH-0008ET-Ro  
for iesg@ietf.org; Wed, 10 May 2006 18:40:41 -0400  
Received: from stsc1260-eth-s1-s1p1-vip.va.neustar.com ([156.154.16.129]  
helo=cypress.neustar.com) by ietf-mx.ietf.org with esmtp (Exim  
4.43)  
id 1FdxMD-0005WL-Df  
for iesg@ietf.org; Wed, 10 May 2006 18:40:41 -0400  
Received: from ietf.org (stiedprweb1.va.neustar.com [10.91.34.42])  
by cypress.neustar.com (8.12.8/8.12.8) with ESMTP id  
k4AMea67008695  
(version=TLSv1/SSLv3 cipher=DHE-RSA-AES256-SHA bits=256  
verify=NOT);  
Wed, 10 May 2006 22:40:36 GMT  
Received: from mirror by ietf.org with local (Exim 4.43)  
id 1FdxMC-0001dd-IK; Wed, 10 May 2006 18:40:36 -0400  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
To: IESG <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Message-Id: <E1FdxMC-0001dd-IK@ietf.org>  
Date: Wed, 10 May 2006 18:40:36 -0400  
X-Spam-Score: -2.8 (--)  
X-Scan-Signature: eef204590374c43bb1e5c4c17298263a  
Cc: Dinara.Suleymanova@neustar.biz, Barbara.Fuller@neustar.biz,  
tme@multicasttech.com, Amy.Vezza@neustar.biz, spencer@mcsr-  
labs.org  
Subject: FINAL Agenda and Package for May 11, 2006 Telechat  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org

List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www1.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Errors-To: [iesg-bounces@ietf.org](mailto:iesg-bounces@ietf.org)

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the May 11, 2006 IESG Teleconference

This agenda was generated at 17:34:34 EDT, May 10, 2006

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items
- 1.5 Review of Projects  
<http://www.unreason.com/jfp/iesg-projects>

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-isis-ipv6-06.txt  
Routing IPv6 with IS-IS (Proposed Standard) - 1 of 8  
Token: Bill Fenner
- o draft-ietf-adslmib-adsl2-07.txt  
Definitions of Managed Objects for Asymmetric Digital Subscriber Line 2 (ADSL2) (Proposed Standard) - 2 of 8  
Note: PROTO shpeherd: [Menachem.Dodge@ecitele.com](mailto:Menachem.Dodge@ecitele.com)  
Token: Dan Romascanu
- o draft-ietf-ccamp-rfc3946bis-01.txt  
Generalized Multi-Protocol Label Switching (GMPLS) Extensions for Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy (SDH) Control (Proposed Standard) - 3 of 8

- Token: Ross Callon
  - o draft-ietf-imss-fc-fspf-mib-03.txt  
MIB for Fibre-Channel's Fabric Shortest Path First Protocol  
(Proposed Standard) - 4 of 8  
Token: Dan Romascanu
  - o draft-ietf-imss-fc-rtm-mib-04.txt  
Fibre-Channel Routing Information MIB (Proposed Standard) - 5 of 8  
Token: Dan Romascanu
  - o draft-ietf-geopriv-common-policy-09.txt  
A Document Format for Expressing Privacy Preferences (Proposed Standard) - 6 of 8  
Token: Cullen Jennings
  - o draft-ietf-ccamp-rfc4327bis-01.txt  
Link Management Protocol (LMP) Management Information Base (MIB) (Proposed Standard) - 7 of 8  
Note: [Note: IETF Last Call ends 5/9, 2 days before the telechat; while I don't expect any Last Call comments if there are any substantive ones I may remove it from the telechat to deal with them]  
Token: Bill Fenner
  - o draft-ietf-sieve-imapflags-04.txt  
SIEVE Email Filtering: IMAP flag Extension (Proposed Standard) - 8 of 8  
Token: Lisa Dusseault
- 2.1.2 Returning Item
- o draft-ietf-idr-rfc2858bis-10.txt  
Multiprotocol Extensions for BGP-4 (Draft Standard) - 1 of 1  
Token: Bill Fenner
- 2.2 Individual Submissions
- 2.2.1 New Item
- o draft-ietf-ipsec-spd-mib-06.txt  
IPsec Security Policy Database Configuration MIB (Proposed Standard) - 1 of 3  
Token: Russ Housley
  - o draft-josefsson-rfc3548bis-03.txt  
The Base16, Base32, and Base64 Data Encodings (Proposed Standard) - 2 of 3  
Token: Ted Hardie

o draft-taylor-types-example-04.txt  
Example media types for use in documentation (Proposed Standard) - 3  
of 3

Token: Magnus Westerlund

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a  
reasonable  
contribution to the area of Internet engineering which it covers?  
If  
not, what changes would make it so?"

#### 3.1.1 New Item

o draft-ietf-ccamp-gmpls-ason-routing-eval-03.txt  
Evaluation of existing Routing Protocols against ASON routing  
requirements  
(Informational) - 1 of 2  
Token: Ross Callon  
o draft-ietf-mobike-design-08.txt  
Design of the MOBIKE Protocol (Informational) - 2 of 2  
Note: PROTO Shepherd: Paul Hoffman <phoffman@vpnc.org>  
Token: Russ Housley

#### 3.1.2 Returning Item

NONE

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a  
reasonable  
contribution to the area of Internet engineering which it covers?  
If  
not, what changes would make it so?"

#### 3.2.1 New Item

o draft-ietf-ipsec-ike-ecp-groups-02.txt  
ECP Groups For IKE and IKEv2 (Informational) - 1 of 2  
Token: Russ Housley  
o draft-rushing-s1000d-urn-00.txt  
A URN Namespace for ASD Specification 1000D (Informational) - 2 of 2  
Token: Ted Hardie

### 3.2.2 Returning Item

NONE

### 3.3 Individual Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

Other matters may be recorded in comments to be passed on to the RFC Editor as community review of the document.

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

### 3.3.3 For Action

- o draft-deoliveira-diff-te-preemption-05.txt  
LSP Preemption Policies for MPLS Traffic Engineering (Informational)
- 1 of 2  
Token: Brian Carpenter
- o draft-bivens-sasp-03.txt  
Server/Application State Protocol v1 (Informational) - 2 of 2  
Token: Brian Carpenter

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for Approval

- o IP over IEEE 802.16 Networks (16ng) - 1 of 1  
Token: Jari Arkko

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

NONE

5. IAB News We can use

6. Management Issue

6.1 Confirm new IAB liaison (Ted Hardie)

6.2 Expedited IANA processing for draft-santesson-tls-ume-07 and draft-santesson-tls-sup-02 (Russ Housley)

6.3 New-work (Dan Romascanu)

7. Agenda Working Group News

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the May 11, 2006 IESG Teleconference

This package was generated at 17:34:34 EDT, May 10, 2006.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, May 11, 2006 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in"

next to your name in place of the telephone number.

Jari Arrko---Will call in  
Ross Callon---Will call in  
Brian Carpenter---Will call in  
Yoshiko Chong---Will call in  
Michelle Cotton---Will call in  
Leslie Daigle---Will call in  
Spencer Dawkins---Will call in  
Lisa Dusseault---Will call in  
Lars Eggert---Will call in  
Marshall Eubanks---Will call in  
Bill Fenner---Will call in  
Barbara Fuller---Will call in  
Ted Hardie---Possible Regrets  
Sam Hartman---Will call in  
Russ Housley---Will call in  
Cullen Jennings---Will call in  
David Kessens---Will call in  
Dave Meyer---Will call in  
Ray Pelletier---Will call in  
Jon Peterson---Will call in  
Joyce K. Reynolds---Will call in  
Dan Romascanu---Will call in  
Barbara Roseman---Regrets  
Dinara Suleymanova---Will call in  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Magnus Westerlund---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 877-597-9705.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number 706-679-1570. Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference, as all charges, including long distance, will be included on the invoice sent to the company hosting the call. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the passcode 5647852103 when prompted to do

so.

Please ignore the instructions for entering the "Leader PIN."

The first person on the call will not hear anything until joined by other

participants. A tone will sound as others join the conference.

\*\*\*\*\*

#### TOLL-FREE NUMBERS

##### Country Number

Argentina Dial-In #: 08005557912  
Australia Dial-In #: 1800008435  
Austria Dial-In #: 0800291433  
Bahamas Dial-In #: 18665985175  
Belgium Dial-In #: 080071223  
Brazil Dial-In #: 08008916186  
Chile Dial-In #: 12300206915  
China Dial-In #: 108007130752  
China Dial-In #: 108001300752  
Colombia Dial-In #: 018007001685  
Costa Rica Dial-In #: 08000130935  
Cyprus Dial-In #: 80095744  
Czech Republic Dial-In #: 800142255  
Denmark Dial-In #: 80881797  
Dominican Republic Dial-In #: 18887514623  
Finland Dial-In #: 0800115427  
France Dial-In #: 0800908353  
Germany Dial-In #: 08001815558  
Greece Dial-In #: 0080018092017560  
Hong Kong Dial-In #: 800900018  
Hungary Dial-In #: 0680015814  
Iceland Dial-In #: 8008217  
India Dial-In #: 0008001001032  
Indonesia Dial-In #: 0018030152017564  
Ireland Dial-In #: 1800481100  
Israel Dial-In #: 1809315366  
Italy Dial-In #: 800786633  
Jamaica Dial-In #: 18002150129  
Japan Dial-In #: 00531115058  
Korea (South) Dial-In #: 00308140504  
Latvia Dial-In #: 8000826  
Lithuania Dial-In #: 880090083

Luxembourg Dial-In #: 80024506  
Malaysia Dial-In #: 1800808622  
Mexico Dial-In #: 0018663165137  
Monaco Dial-In #: 80093171  
Netherlands Dial-In #: 08000223630  
New Zealand Dial-In #: 0800448873  
Norway Dial-In #: 80013866  
Panama Dial-In #: 0018002018501  
Peru Dial-In #: 080052204  
Poland Dial-In #: 008001113626  
Portugal Dial-In #: 800819404  
Russian Federation Dial-In #: 81080023181012  
Saint Kitts and Nevis Dial-In #: 18007449306  
Singapore Dial-In #: 8001011539  
South Africa Dial-In #: 0800992789  
Spain Dial-In #: 900961265  
Sweden Dial-In #: 020797816  
Switzerland Dial-In #: 0800562493  
Taiwan Dial-In #: 00801148630  
Thailand Dial-In #: 001800132017580  
Trinidad and Tobago Dial-In #: 18002031294  
Turkey Dial-In #: 00800130098756  
United Kingdom Dial-In #: 08000322417  
Uruguay Dial-In #: 00040190036  
Venezuela Dial-In #: 08001003433  
(list of numbers good as of 2006/04/25)

PARTICIPANTS FROM ALL OTHER COUNTRIES MUST USE THE DIRECT DIAL NUMBER  
AND  
THUS INCUR CHARGES FROM THEIR OWN CARRIER.

## 1.2 Bash the Agenda

## 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the April 27, 2006 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

-----  
Jari Arkko (Ericsson) / Internet Area  
Ross Callon (Juniper Network) / Routing Area

Brian Carpenter (IBM) / IETF Chair, General Area  
Yoshiko Chong (ICANN) / IANA liaison  
Michelle Cotton (ICANN) / IANA liaison  
Elwyn Davies / Temporary IAB liaison  
Spencer Dawkins (Futurewei) / Scribe  
Lisa Dusseault (OSAF) / Applications Area  
Lars Eggert (NEC Network Laboratories) / Transport Area  
Marshall Eubanks (Multicast Tech) / Scribe  
Bill Fenner (AT&T) / Routing Area  
Barbara Fuller (NSS) / IETF Secretariat  
Ted Hardie (Qualcomm, Inc.) / Applications Area  
Sam Hartman (MIT) / Security Area  
Cullen Jennings (Cisco) / Real-time App. and Infra. Area  
David Kessens (Nokia) / Operations and Management Area  
Jon Peterson (NeuStar, Inc.) / Real-time App. and Infra. Area  
Joyce K. Reynolds (ISI) / RFC Editor liaison  
Dan Romascanu (Avaya) / Operations and Management Area  
Barbara Roseman (ICANN) / IANA liaison  
Dinara Suleymanova (NSS) / IETF Secretariat  
Mark Townsley (Cisco) / Internet Area  
Amy Vezza (NSS) / IETF Secretariat  
Magnus Westerlund (Ericsson) / Transport Area

#### REGRETS

-----  
Leslie Daigle (Cisco) / IAB Chair  
Russ Housley (Vigil Security, LLC) / Security Area  
Dave Meyer (Cisco/University of Oregon) / IAB Liaison  
Ray Pelletier (ISOC) / IAD

#### MINUTES

##### ----- 1. Administrivia 1.1 Approval of the Minutes

The minutes of the April 13, 2006 Teleconference were approved.  
The Secretariat will place the minutes in the public archives.  
The Narrative Minutes of the March 30, 2006 Teleconference were approved.

##### 1.2 Documents Approved since the April 13, 2006 IESG Teleconference 1.2.1 Protocol Actions

NONE

### 1.2.2 Document Actions

NONE

### 1.3 Review of Action Items

DONE:

NONE

DELETED:

NONE

IN PROGRESS:

- o Jari Arkko to draft text on criteria for choice between direct submission to an AD and independent submission to the RFC Editor.

NEW:

NONE

### 1.4 Review of Projects

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-iptel-tel-np-09.txt - 1 of 2

Number Portability Parameters for the "tel" URI (Proposed Standard)

Token: Cullen Jennings

The document remains under discussion by the IESG in order to resolve points raised by Lisa Dusseault, Bill Fenner, Ted Hardie, and Magnus Westerlund.\*

- o draft-ietf-ippm-reordering-12.txt - 2 of 2

Packet Reordering Metric for IPPM (Proposed Standard)

Token: Lars Eggert

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley.\*

#### 2.1.2 Returning Item

NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

o draft-ietf-ipsec-spd-mib-06.txt - 1 of 2

IPsec Security Policy Database Configuration MIB (Proposed Standard)

Token: Russ Housley

The document was deferred to the next teleconference (05/11/2006)  
by Cullen Jennings.

o draft-rosen-iptel-dialstring-03.txt - 2 of 2

Dialstring parameter for the Session Initiation Protocol URI (Proposed Standard)Token: Jon Peterson

The document remains under discussion by the IESG in order to  
resolve points raised by Magnus Westerlund.\*

### 2.2.2 Returning Item

o draft-rja-ripv2-auth-04.txt - 1 of 1

RIPv2 Cryptographic Authentication (Proposed Standard)

Token: Russ Housley

The document remains under discussion by the IESG in order to  
resolve points raised by Lars Eggert, Sam Hartman, and Magnus  
Westerlund.\*

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Item

o draft-ietf-ccamp-loose-path-reopt-02.txt - 1 of 3

Reoptimization of Multiprotocol Label Switching (MPLS) Traffic  
Engineering (TE) loosely routed Label Switch Path (LSP) (Informational)

Token: Ross Callon

The document was approved by the IESG pending an RFC Editor Note  
to be prepared by Ross Callon. The Secretariat will send a working  
group submission Document Action Announcement that includes the  
RFC Editor Note.

o draft-ietf-ccamp-inter-domain-framework-04.txt - 2 of 3

A Framework for Inter-Domain MPLS Traffic Engineering (Informational)

Token: Ross Callon

The document remains under discussion by the IESG in order to  
resolve points raised by Sam Hartman and Russ Housley.\*

o draft-ietf-tcpm-tcp-dcr-07.txt - 3 of 3

Improving the Robustness of TCP to Non-Congestion Events (Experimental)

Token: Lars Eggert

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement that includes an RFC Editor

Note prepared by Lars Eggert.

### 3.1.2 Returning Item

o draft-ietf-rpsec-routing-threats-07.txt - 1 of 2

Generic Threats to Routing Protocols (Informational)

Token: Bill Fenner

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

o draft-ietf-pce-architecture-05.txt - 2 of 2

A Path Computation Element (PCE) Based Architecture (Informational)

Token: Ross Callon

The document was approved by the IESG pending an RFC Editor Note to be prepared by Ross Callon. The Secretariat will send a working group submission Document Action Announcement that includes the RFC Editor Note.

## 3.2 Individual Submissions Via AD

### 3.2.1 New Item

o draft-kornijenko-ivis-urn-00.txt - 1 of 1

A URN Namespace for the Latvian National Government Integration Project (Informational)

Token: Ted Hardie

The document was approved by the IESG. The Secretariat will send an individual submission Document Action Announcement that includes an RFC Editor Note prepared by Ted Hardie.

### 3.2.2 Returning Item

NONE

## 3.3 Individual Submissions Via RFC Editor

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

### 3.3.3 For Action

o draft-murphy-iser-telnet-04.txt - 1 of 1  
iSeries Telnet Enhancements (Informational)  
Token: Brian Carpenter

The document was assigned to Ted Hardie.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

o IPv6 over IEEE 802.16(e) Networks - 1 of 1  
Token: Jari Arkko

The IESG approved the draft WG charter for IETF review pending edits to the text of the charter to be prepared by Jari Arkko. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (05/11/2006).

#### 4.1.2 Proposed for Approval

o FEC over Transport Framework (fecframe) - 1 of 1  
Token: Magnus Westerlund

The IESG approved the charter for the new working group. The Secretariat will send a WG Action announcement.

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

NONE

## 5. IAB News We Can Use

## 6. Management Issues

6.1 802.16 ifType and OID assignments (Dan Romascanu)

The management issue was discussed. The relationship between the assignment of ifType values and of OIDs to particular media-specific MIBs is managed by IANA. Separate application need to be filled in for the assignments of ifType values and OID node assignment. One should not assume that a media-specific MIB's OID-subtree assignment within MIB-II's 'transmission' subtree will be the same as its ifType value. It is recommended that IANA will add appropriate text in the application forms and assignment messages for ifType and OID values.

## 7. Working Group News We Can Use

-----  
\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG

### 1. Administrivia

#### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: May 1, 2006

IP o Jari Arkko to draft text on criteria for choice between direct  
submission to an AD and independent submission to the RFC  
Editor.

### 1. Administrivia

#### 1.5 Review of Projects

<http://www.unreason.com/jfp/iesg-projects>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a  
reasonable basis on which to build the salient part of the  
Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 8

- o draft-ietf-isis-ipv6-06.txt  
Routing IPv6 with IS-IS (Proposed Standard)  
Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-isis-ipv6-06.txt to Proposed Standard

-----

Evaluation for draft-ietf-isis-ipv6-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=4957&rfc  
\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=4957&rfc_flag=0)

Last Call to expire on: 2006-02-15

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ ]          | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ ]          | [ X ]   | [ ]     |
| Lisa Dusseault    | [ ]   | [ ]          | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ X ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ X ]   | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ ]          | [ X ]   | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ ]          | [ X ]   | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Discuss [2006-05-09]:

It doesn't seem that this spec contains sufficient information (or  
normative  
references) for an independent implementor. The fact that established  
ISIS  
implementors have added IPv6 doesn't mean the independent implementors

could  
do so based on this spec. This was pointed out during IETF Last Call but  
the gaps have not been filled, and I haven't seen any feedback to  
indicate  
that the WG discussed this point.

Specifically, quoting the Gen-ART review by Elwyn Davies:

This new draft adds a third address family but does not discuss the  
interaction of IPv6 with IPv4 (or OSI). This wouldn't matter if the  
multi-topology  
extensions (draft-ietf-isis-wg-multi-topology-11.txt) were being used  
but for  
the basic protocol I think something needs to be said about some new  
classes of  
routers (in principle there are now six possibilities { {OSI}, {IPv4},  
{IPv6},  
{OSI, IPv4}, {OSI, IPv6}, {IPv4, IPv6}, {OSI, IPv4, IPv6}}). RFC1195  
indicates  
that routers need to be configured with their domain type (essentially  
the  
common set of address families supported by all nodes in the domain)  
which would need to be extended to cover the extra family. (This issue is  
mentioned in many  
presentations on the use of a single instance of IS-IS for routing IPv4  
and  
IPv6).

Aside from this fairly fundamental issue, it was not clear to me where  
the  
additional preference rules specified in s6 had to be integrated into  
the fairly complex preference rules already specified in s3.10 of RFC1195  
or what their  
relationship was to the preference rules given in s3.2 of RFC2966 (the  
semantics of the up/down bit used in the IPv6 Reachability TLVs appear to  
be derived  
through ref [2] which is now RFC3784 which in turn defers to RFC2966).

Talking of RFC3784, there is no clear statement as to whether  
implementation of the RFC3784 extensions is a necessary prerequisite for  
these extensions: if I  
understand correctly, NOT implementing RFC3784 means that only 'narrow'  
metrics  
would be available for IS link specifications but the IPv6 extensions  
only  
provide for 'wide' path metrics, whereas RFC1195+RFC3784 gives a choice

of wide  
and narrow for both IS links and IPv4 paths. I am not clear if the  
situation  
would be reasonable without RFC3784 support.

Another related area which is really rather buried in these  
specifications is  
the issue of separate metrics for the various address families. This  
may be  
obvious to aficionados of IS-IS but the fact that the SPF is run  
separately for each metric gets rather lost. Referring back to the  
original specification it  
is possible that the SPF is run multiple times for the same address  
family if  
multiple metrics are defined - originally to handle multiple TOS  
metrics. A  
reminder of this would not go amiss. Presumably we have to wait for TE  
extensions to get multiple metrics for IPv6.

Overall I felt that the draft lacked attention to detail and there were  
areas  
(especially s6) which amounted to 'hand-waving' rather than rigorous  
specification. This seems slightly surprising as there are (I believe)  
several implementations already in service.

Comment [2006-05-09]:

Extra comments from Gemn-ART review by Elwyn Davies:

s2/s5: The IPv6 protocol identifier is not new with this specification.  
If I  
understand correctly it is defined in ISO/IEC TR 9577 (in the 1999  
update at  
least). There should be a reference to this document.

s2: I think it would be appropriate to discuss whether the updates of  
ref [2]  
(now RFC3784) for IPv4 are a prerequisite for implementing the changes  
in this  
document. At first I didn't \*think\* they were but the statement that the  
IPv6  
stuff 'uses' the semantics etc of [2] doesn't make this totally clear,  
and  
omitting RFC3784 support would result (but I may be confused) in a  
combination  
of 'narrow' (6 bit) link metrics and 'wide' (24-32 bit) path metrics

for IPv6. Is this reasonable?

s3: This section lacks precise definitions of several of the fields: In particular the length field is unspecified. By analogy with s5.3 of RFC1195 one could ASSUME that it is the total length of the value part of the TLV excluding the first two octets but that assumes that everything said for IP(v4) applies for IPv6 - which is not made explicit. To avoid uncertainty it would be worth being explicit. Similarly the encoding of the metric (presumably unsigned 32 bit integer), the possible values of prefix length and the number of octets of prefix are not made explicit.

s3: s/external original/external origin/

s3: '...the octet following the prefix will contain the length of the sub-TLV portion of the structure': Aside from the redundancy of this octet (the sub-TLV length can (probably) be derived from the overall length and the prefix length fields unless the TLV length does not cover the sub-TLVs as well), it needs to be made clear if this length includes or excludes the length octet itself. I would suggest repeating section 4.2 of RFC3784 which would also make it clear that the draft doesn't define any sub-TLVs and notes the limitations of the sizeof sub-TLVs that are possible (slightly different in this case).

s4: Again the length is not precisely defined.

s6: I don't think it is very clear how the various preference rules in RFC1195, RFC2966 and this document are supposed to be integrated.

s6: Copying over some of the reasoning for the choice of the maximum metric from RFC3784 would not go amiss.

s9: Ref [2] is RFC2784. Need a reference to ISO/IEC TR 9577:1999.

Russ Housley:

Discuss [2006-05-08]:

The Security Considerations are not sufficient. At a minimum, there should be a reference to RFC 3567.

Comment [2006-05-08]:

Section 4 says:

>

> This TLV maps directly to [1]'s "IP Interface Address" TLV.

>

Suggested rewording:

>

> This TLV maps directly to the "IP Interface Address" TLV defined  
> in [1].

Jon Peterson:

Comment [2006-05-10]:

Please expand the first usage of the acronym "LSP" in the document.

Dan Romascanu:

Discuss [2006-05-07]:

The following issue was raised by Pekka Savola on the OPS Directorate list.

I sent an IETF Last Call on 8 Feb:

<http://www1.ietf.org/mail-archive/web/isis-wg/current/msg01549.html>

There was no response.

First off, there is procedural down-ref problem, but that's not my main concern. My main concern is that the doc doesn't say anything about special prefixes which should not be routed using IS-IS.

The document should say either:

1) that sender implementations should consider what prefixes or interface addresses to advertise, and receivers likewise for receiving (without specifying or giving examples what these might be), or

2) above, and mention those prefixes, either as examples or as

normative.

This affects at least multicast, link-local, loopback, etc. prefixes for both v4 and v6.

We noticed this problem with two major vendors about a year ago (one leaked link-local stuff, the other accepted it), and it caused some mess. 1) seems suboptimal from interop perspective.

Hence, I think the document must say something on this.

Mark Townsley:

Comment [2006-05-09]:

Might be a good idea to reference RFC2460 at the start of the document.

Need a 2119 ref at the end of the doc.

Magnus Westerlund:

Discuss [2006-05-09]:

No IANA registry for the SUB-TLVs are created.

Comment [2006-05-09]:

Abbreviation should be expanded on the first usage of each of them.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

isis mailing list <isis-wg@ietf.org>, isis chair

<chopps@rawdofmt.org>,

isis chair <dward@cisco.com>

Subject: Document Action: 'Routing IPv6 with IS-IS' to Informational RFC

The IESG has approved the following document:

- 'Routing IPv6 with IS-IS '  
<draft-ietf-isis-ipv6-06.txt> as an Informational RFC

This document is the product of the IS-IS for IP Internets Working Group.

The IESG contact persons are Alex Zinin and Bill Fenner.

#### Technical Summary

This draft specifies a method for exchanging IPv6 routing information using the IS-IS routing protocol. The described method utilizes 2 new TLVs, a reachability TLV and an interface address TLV to distribute the necessary IPv6 information throughout a routing domain. Using this method one can route IPv6 along with IPv4 and OSI using a single intra-domain routing protocol.

#### Working Group Summary

The document is a product of substantial discussion and review within the WG, which had strong consensus for putting this document on STD track.

#### Protocol Quality

The specification has been reviewed for IESG by Alex Zinin and Bill Fenner.

There are multiple interoperable implementations of this document.

The implementation report for this specification is available at <http://www.ietf.org/IESG/Implementations/isis-ipv6-imp.txt>

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 8

o draft-ietf-adslmib-adsl2-07.txt  
Definitions of Managed Objects for Asymmetric Digital Subscriber  
Line 2  
(ADSL2) (Proposed Standard)  
Note: PROTO shpeherd: Menachem.Dodge@ecitele.com  
Token: Dan Romascanu

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-adslmib-adsl2-07.txt to Proposed  
Standard  
-----

Evaluation for draft-ietf-adslmib-adsl2-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13197&rf  
c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13197&rfc_flag=0)

Last Call to expire on: 2006-04-10

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Dan Romascanu     | [ X ] | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Dan Romascanu:

Comment [2006-05-09]:

1. Version 07 introduced a couple of nits that lead to the two modules not to compile correctly. These can be fixed by the following changes that I propose dot be included in the editorial notes:

OLD:

```
adsl2TCMIB MODULE-IDENTITY
    LAST-UPDATED "200604250000Z" - April 25, 2006
```

NEW:

```
adsl2TCMIB MODULE-IDENTITY
    LAST-UPDATED "200604250000Z" -- April 25, 2006
```

OLD:

```
adsl2MIB MODULE-IDENTITY
    LAST-UPDATED "200604250000Z" - April 25, 2006
```

NEW:

```
adsl2MIB MODULE-IDENTITY
    LAST-UPDATED "200604250000Z" -- April 25, 2006
```

2. The Overview section points wrongly to a section of the document that does nor exist. In order to fix this the following change is suggested.

OLD:

The MIB module is located in the MIB tree under MIB 2 transmission, as discussed in the MIB-2 Integration (RFC 2863 [RFC2863]) section of this document.

NEW:

The MIB module is located in the MIB tree under MIB 2 transmission, as discussed in the IANA Considerations section of this document.

3. Inconsistent use of kew-words:

In Section 2.9

OLD:

The ability to generate the SNMP notifications coldStart/WarmStart (per [RFC3418]), which are per agent (e.g., per Digital Subscriber Line Access Multiplexer, or DSLAM, in such a device), and linkUp/linkDown (per [RFC2863]), which are per interface (i.e., ADSL/ADSL2 or ADSL2+ line) is required.

NEW:

The ability to generate the SNMP notifications coldStart/WarmStart (per [RFC3418]), which are per agent (e.g., per Digital Subscriber Line Access Multiplexer, or DSLAM, in such a device), and linkUp/linkDown (per [RFC2863]), which are per interface (i.e., ADSL/ADSL2 or ADSL2+ line) is REQUIRED.

4. I believe that it is improper for a MIB document to impose requirements on management implementations using this MIB, other than conformance to the MIB definition. I suggest that the following text in Section 4 is changed through a RFC Editor note.

OLD:

A management application intended to manage ADSL links (e.g., G.992.1) with this MIB module MUST be modified to adapt itself to certain differences between RFC 2662 [RFC2662] and this MIB module, including the following aspects

NEW:

A management application intended to manage ADSL links (e.g., G.992.1) with this MIB module must be modified to adapt itself to certain differences between RFC 2662 [RFC2662] and this MIB module, including the following aspects

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
adslmib mailing list <adslmib@ietf.org>,  
adslmib chair <sneedmike@hotmail.com>,  
adslmib chair <Menachem.Dodge@ecitele.com>  
Subject: Protocol Action: 'Definitions of Managed Objects for  
Asymmetric Digital Subscriber Line 2 (ADSL2)' to Proposed  
Standard

The IESG has approved the following document:

- 'Definitions of Managed Objects for Asymmetric Digital Subscriber Line  
2  
(ADSL2) '  
<draft-ietf-adslmib-adsl2-07.txt> as a Proposed Standard

This document is the product of the ADSL MIB Working Group.

The IESG contact persons are Dan Romascanu and David Kessens.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-adslmib-adsl2-05.txt>

#### Technical Summary

This document defines a Management Information Base (MIB) module for use with network management protocols in the Internet community. In particular, it describes objects used for managing parameters of the "Asymmetric Digital Subscriber Line" family of interface types, especially including ADSL, ADSL2, and ADSL2+.

#### Working Group Summary

The WG process was smooth and quick. There were two minor controversies raised:

1. A desire to break out the textual conventions into a separate document. This was resolved by using Bert's solution to define the textual conventions within one document using a separate MIB with the understanding that if

it  
becomes necessary to break them out into a separate document later, we  
will  
still have that option. All involved agreed to this.

2. A desire was voiced to expand and extend the document to cover VDSL2  
(a  
closely related but critically different technology). It was agreed  
that if  
there was a desire to support VDSL2, the differences between the  
technologies  
were such that VDSL2 would require a different document. All involved  
agreed to  
this.

#### Protocol Quality

The document was reviewed for the IESG by Bert Wijnen.

No information is available about implementations

#### Note to RFC Editor

The RFC Editor is kindly asked to make the following changes:

1.

OLD:

adsl2TCMIB MODULE-IDENTITY  
LAST-UPDATED "200604250000Z" - April 25, 2006

NEW:

adsl2TCMIB MODULE-IDENTITY  
LAST-UPDATED "200604250000Z" -- April 25, 2006

OLD:

adsl2MIB MODULE-IDENTITY  
LAST-UPDATED "200604250000Z" - April 25, 2006

NEW:

adsl2MIB MODULE-IDENTITY

LAST-UPDATED "200604250000Z" -- April 25, 2006

2. in the Overview Section:

OLD:

The MIB module is located in the MIB tree under MIB 2 transmission, as discussed in the MIB-2 Integration (RFC 2863 [RFC2863]) section of this document.

NEW:

The MIB module is located in the MIB tree under MIB 2 transmission, as discussed in the IANA Considerations section of this document.

3.

In Section 2.9

OLD:

The ability to generate the SNMP notifications coldStart/WarmStart (per [RFC3418]), which are per agent (e.g., per Digital Subscriber Line Access Multiplexer, or DSLAM, in such a device), and linkUp/linkDown (per [RFC2863]), which are per interface (i.e., ADSL/ADSL2 or ADSL2+ line) is required.

NEW:

The ability to generate the SNMP notifications coldStart/WarmStart (per [RFC3418]), which are per agent (e.g., per Digital Subscriber Line Access Multiplexer, or DSLAM, in such a device), and linkUp/linkDown (per [RFC2863]), which are per interface (i.e., ADSL/ADSL2 or ADSL2+ line) is REQUIRED.

4. in Section 4

OLD:

A management application intended to manage ADSL links (e.g., G.992.1) with this MIB module MUST be modified to adapt itself to certain differences between RFC 2662 [RFC2662] and this MIB module, including the following aspects

NEW:

A management application intended to manage ADSL links (e.g., G.992.1) with this MIB module must be modified to adapt itself to certain differences between RFC 2662 [RFC2662] and this MIB module, including the following aspects

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 8

- o draft-ietf-ccamp-rfc3946bis-01.txt

Generalized Multi-Protocol Label Switching (GMPLS) Extensions for Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy (SDH) Control (Proposed Standard)  
Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ccamp-rfc3946bis-01.txt to Proposed Standard

-----

Evaluation for draft-ietf-ccamp-rfc3946bis-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=14037&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=14037&rfc_flag=0)

Last Call to expire on: 2006-05-04

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ X ] | [ ]          | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ ]          | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ X ]   | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2006-05-09]:

Suggest changing the first sentence of the IANA Considerations:

OLD:

Three values have been defined by IANA for this document.

NEW:

Three values defined by IANA for RFC 3946 now apply to this document.

Russ Housley:

Discuss [2006-05-08]:

This document provides minor clarification to RFC 3946, but there is not a summary of the changes. This usually appears as a separate section or subsection in an update to an earlier RFC.

The comments in Bernard Aboba's SecDir Review caused me to do some

digging. Thanks to him for highlighting the reference. The Security Considerations of this document refer to RFC 3209, and the Security Considerations (Section 6) of RFC 3209 says:

>  
> In principle these extensions to RSVP pose no security exposures over  
> and above RFC 2205[1]. However, there is a slight change in the  
> trust model. Traffic sent on a normal RSVP session can be filtered  
> according to source and destination addresses as well as port  
> numbers. In this specification, filtering occurs only on the basis  
> of an incoming label. For this reason an administration may wish to  
> limit the domain over which LSP tunnels can be established. This  
can  
> be accomplished by setting filters on various ports to deny action  
on  
> a RSVP path message with a SESSION object of type LSP\_TUNNEL\_IPv4  
(7)  
> or LSP\_TUNNEL\_IPv6 (8).

>  
Is there a change in trust model in this document too? I do not think so. The structure of the security considerations in this document, which is essentially five references, is confusing. It is not clear which considerations really apply to this document. I am asking for clarity.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ccamp mailing list <ccamp@ops.ietf.org>,

ccamp chair <kireeti@juniper.net>,

ccamp chair <adrian@olddog.co.uk>

Subject: Protocol Action: 'Generalized Multi-Protocol Label Switching (GMPLS) Extensions for Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy (SDH) Control' to Proposed Standard

The IESG has approved the following document:

- 'Generalized Multi-Protocol Label Switching (GMPLS) Extensions for Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy

(SDH)

Control '

<draft-ietf-ccamp-rfc3946bis-01.txt> as a Proposed Standard

This document is the product of the Common Control and Measurement Plane Working Group.

The IESG contact persons are Ross Callon and Bill Fenner.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ccamp-rfc3946bis-01.txt>

#### Technical Summary

This is a relatively small update to RFC3946. RFC3946 specifies GMPLS extensions for supporting SONET and SDH, and as such is a companion to the GMPLS specification (RFC3945).

#### Working Group Summary

The WG chairs reported "Good consensus", with no controversy.

#### Protocol Quality

I (Ross Callon) reviewed the changes from 3946 in detail. This is a pretty small but worthwhile improvement to an existing RFC.

#### Note to RFC Editor

This of course will obsolete 3946.

#### IESG Note

#### IANA Note

This should not cause any IANA-specific change from the existing 3946.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a

reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 4 of 8

o draft-ietf-imss-fc-fspf-mib-03.txt

MIB for Fibre-Channel's Fabric Shortest Path First Protocol

(Proposed

Standard)

Token: Dan Romascanu

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-imss-fc-fspf-mib-03.txt to Proposed Standard

-----

Evaluation for draft-ietf-imss-fc-fspf-mib-03.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13659&rf)

[command=view\\_id&dTag=13659&rf](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13659&rf)

[c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13659&rf)

Last Call to expire on: 2006-04-24

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Dan Romascanu     | [ X ] | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,

with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Dan Romascanu:

Comment [2006-05-09]:

A couple of reference nits to be fixed by RFC Editor:

1. [FC-FAM-MIB] became [RFC4439]
2. [FC-RTM-MIB] included in the list of Normative References is not referenced in the text

An editorial clarity nit.

Section 3 - Short Overview of Fibre Channel is partially identical to the section with the same name in RFC 4439, the difference being the description of FSPF. I suggest to clarify this by changing the title of the section.

OLD:

3. Short Overview of Fibre Channel

NEW:

3. Short Overview of Fibre Channel and FSPF

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

imss mailing list <imss@ietf.org>,

imss chair <black\_david@emc.com>

Subject: Protocol Action: 'MIB for Fibre-Channel's Fabric Shortest Path First Protocol' to Proposed Standard

The IESG has approved the following document:

- 'MIB for Fibre-Channel's Fabric Shortest Path First Protocol '  
<draft-ietf-imss-fc-fspf-mib-03.txt> as a Proposed Standard

This document is the product of the Internet and Management Support for Storage

Working Group.

The IESG contact persons are Dan Romascanu and David Kessens.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-imss-fc-fspf-mib-03.txt>

#### Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. In particular, it describes managed objects for information related to the Fibre Channel network's Fabric Shortest Path First (FSPF) routing protocol.

#### Working Group Summary

This document was reviewed in the IMSS WG and in Technical Committee T11 (the official Fibre Channel standards body). T11 voted to recommend a prior version of this document to the IETF.

#### Protocol Quality

The protocol has been reviewed for the imss WG by Keith McCloghrie and  
for the Operations and Management Area by Bert Wijnen.

#### Note to RFC Editor

A couple of reference nits to be fixed by RFC Editor:

1. [FC-FAM-MIB] became [RFC4439]
2. [FC-RTM-MIB] included in the list of Normative References is not referenced  
in the text. Please take it out
- 3.

OLD:

### 3. Short Overview of Fibre Channel

NEW:

### 3. Short Overview of Fibre Channel and FSPF

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 8

- o draft-ietf-imss-fc-rtm-mib-04.txt  
Fibre-Channel Routing Information MIB (Proposed Standard)  
Token: Dan Romascanu

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-imss-fc-rtm-mib-04.txt to Proposed Standard

-----

Evaluation for draft-ietf-imss-fc-rtm-mib-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13658&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13658&rfc_flag=0)

Last Call to expire on: 2006-04-24

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Dan Romascanu     | [ X ] | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

imss mailing list <imss@ietf.org>,

imss chair <black\_david@emc.com>

Subject: Protocol Action: 'Fibre-Channel Routing Information MIB' to  
Proposed Standard

The IESG has approved the following document:

- 'Fibre-Channel Routing Information MIB '  
<draft-ietf-imss-fc-rtm-mib-04.txt> as a Proposed Standard

This document is the product of the Internet and Management Support for

## Storage

Working Group.

The IESG contact persons are Dan Romascanu and David Kessens.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-imss-fc-rtm-mib-04.txt>

## Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. In particular, it describes managed objects for information related to routing within a Fibre Channel fabric which is independent of the usage of a particular routing protocol.

## Working Group Summary

This document was reviewed in the IMSS WG and in Technical Committee T11 (the official Fibre Channel standards body). T11 voted to recommend a prior version of this document to the IETF.

## Protocol Quality

The protocol has been reviewed for the imss WG by Keith McCloghrie and  
for the Operations and Management Area by Bert Wijnen.

## Note to RFC Editor

(Insert note to RFC Editor here)

## IESG Note

(Insert IESG Note here)

## IANA Note

IANA is requested to make an MIB OID assignment for the T11-FC-ROUTE-MIB module under mib-2

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 8

- o draft-ietf-geopriv-common-policy-09.txt

A Document Format for Expressing Privacy Preferences (Proposed Standard)

Token: Cullen Jennings

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-geopriv-common-policy-09.txt to Proposed Standard

-----

Evaluation for draft-ietf-geopriv-common-policy-09.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11546&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11546&rfc_flag=0)

Last Call to expire on: 2006-04-09

Please return the full line with your position.

|                 | Yes   | No-Objection | Discuss | Abstain |
|-----------------|-------|--------------|---------|---------|
| Jari Arkko      | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lisa Dusseault  | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert     | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie      | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman     | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens   | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson    | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley   | [ ]   | [ X ]        | [ ]     | [ ]     |

Magnus Westerlund    [   ]    [ X ]    [ . ]    [   ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Comment [2006-05-10]:

No Objection based on the expected -10 version.

I'd like to see "XML" in the title.

Section 10.1 includes:

We use the following terminology (which in parts has already been introduced in previous sections): The term 'permission' stands for an action or a transformation. The notion 'attribute' terms a condition, an action, or a transformation.

Presumably 'permission' stands for an \*allowed\* action or transformation.

Wouldn't it be more clear to call this a 'capability'? That seems to be a more common term in the security community. The final sentence makes no sense as written.

The non-goals include:

No repeat times:

Repeat times (e.g., every day from 9am to 4pm) are difficult to make work correctly, due to the different time zones that PT, WR, PS and RM may occupy. It appears that suggestions for including time intervals are often based on supporting work/non-work distinctions, which unfortunately are difficult to capture by time alone.

I believe there is an opportunity for synergy with calendaring here, where these problems have to be solved anyway.

(Also see earlier comments in the Gen-ART review at <http://www.alvestrand.no/ietf/gen/reviews/draft-ietf-geopriv-common-policy-08-brim.txt>)

Ted Hardie:

Comment [2006-05-09]:

This document represents a lot of wordsmithing and coordination among groups.

Questioning titles, word choice, etc. in the face of that does not seem likely to improve the results of implementation.

Sam Hartman:

Discuss [2006-05-10]:

This document needs more internationalization review. I've noticed two problems, but I would rather hold the discuss until the document has received an explicit i18n review because I'm not confident that I would spot everything. First, the IDN handling in 7.1. is wrong. It assumes that an IDN will always start with xn- . It's true that a label containing non-ascii characters in a IDN that has gone through toascii() will start with xn- but the first label may not always have non-lhd characters.

You need to think about IDNs in terms of labels not in terms of strings.

Also, there is discussion of case insensitive comparison without sufficient guidance to make this implementable for Unicode.

I will be happy to remove this discuss after I18N review.

Comment [2006-05-10]:

I am a bit concerned that the presence aspects of this work fall outside of the current geopriv charter. However since the presence actions and transformations are in a simple document I will not hold a discuss. If there is going to be future overlap between geopriv and presence I would strongly suggest a recharter.

Russ Housley:

Comment [2006-05-08]:

I think that the author count is higher than the RFC Editor will allow.

I suggest deleting the section heading for 10.1, and then renumbering the remaining subsections in section 10.

Section 1.2 says:

>

> The combining operation will result in the largest value for an  
> Integral type, the OR operation for boolean, and union for set.

>

This would be useful to know before the details of the rules.  
Please move it to the begining of the subsection.

The following comments were part of Tim Polk's SecDir Review.

Section 2, introduces the following terms: Presentity/Target (PT); Rule Maker (RM); Policy Server (PS); and Watcher/Recipient (WR). Only the PS was related to the terminology of RFC 3693. I strongly suggest following the example of the terminology section in draft-ietf-geopriv-policy-08.txt and link the PT and WR terminology to their RFC 3693 counterparts.

Section 6.2 states:

>

> this schema is not expected to change excepting a revision to this  
> specification, and that no versioning procedures for this schema or  
> namespace are therfore provided.

>

Are the authors suggesting that they won't ever revise this schema, or just that a new version of the document would simply define a new xmlns instead of the "urn:ietf:params:xml:ns:common-policy"? If it is the latter, then there is not a problem, but they should state this more clearly for those of us that don't know XML to the same level of detail.

Section 7.1.4 concludes with a description of the name comparison operation for domain names. The fourth step is not defined completely. Since it is the last step, noting the final answer would be appropriate. I suggest replacing the current text:

>

> 4. Compare the two domain strings for ASCII equality, for each  
> label.

>

with the following:

>

> 4. Compare the two domain strings for ASCII equality, for each  
> label. If the string comparison for each label indicates  
> equality, then the comparison succeeds. Otherwise, the  
> domains are not equal.

Section 7.1.4.1, in the second example defines an identity condition that matches *\*any\** user, whether or not they can be authenticated. In this example, the identity condition is present without a "one" or "many" element. This feature deserves to be highlighted in its own section. It would also be interesting to understand how this compares with a rule that omitted the identity condition entirely.

The example in section 7.1.4.2 includes the "sphere" element as a condition, but sphere is not introduced until section 7.2. This feature is not discussed in this section, and is unnecessary for the example. I found this very confusing, and suggest the sphere condition be deleted from the example.

Section 10.2 defines three combining rules: CR 1, CR 2, and CR 3. Each combining rule assumes all values are of a single type. I did not find anything that says all values associated with a particular attribute must be of the same type. Perhaps I missed it; or perhaps it is enforced by XML itself. If not, a simple rule needs to be added stating that mixed types results in (an error?).

The security considerations section covers the ramifications of the combining rules, but otherwise states that security considerations are application data dependent and punts to "documents that extend the framework defined in this specification." I would prefer to see the security considerations should point to RFC 3693 (Geopriv Requirements) and RFC 3694 (Threat Analysis of the Geopriv Protocol) as an example of the analysis required by other documents and applications.

Mark Townsley:

Comment [2006-05-10]:

In the author list: "Cisco" and "Cisco Systems" are the same company (AFAIK!).

Also, I count 6 authors, I believe the Editor will only allow 5 at the top of a document.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,  
geopriv mailing list <geopriv@ietf.org>,  
geopriv chair <mankin@psg.com>,  
geopriv chair <randy@qualcomm.com>,  
geopriv chair <andy@hxr.us>  
Subject: Protocol Action: 'A Document Format for Expressing Privacy  
Preferences' to Proposed Standard

The IESG has approved the following document:

- 'A Document Format for Expressing Privacy Preferences '  
<draft-ietf-geopriv-common-policy-09.txt> as a Proposed Standard

This document is the product of the Geographic Location/Privacy Working Group.

The IESG contact persons are Cullen Jennings and Jon Peterson.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-geopriv-common-policy-09.txt>

#### Technical Summary

This document define a framework for authorization policies controlling access to application specific data, and a specific usage of this framework for controlling access to location information.

The framework is specified using XML Schema in which common policy rules are expressed.

#### Work Group Summary

This document represent the consensus of the GEOPRIV working group, in close collaboration with the SIMPLE working group and the 3GPP, 3GPP2, and OMA standards organizations.

#### Protocol Quality

The MIME registration for application/auth-policy+xml was reviewed by the ietf-types list on April 7, 2006, and a few issues were raised and resolved.

#### Notes to the RFC Editor

1)

OLD:

This specification requests the registration of a new MIME type according to the procedures of RFC 2048 [4]

NEW:

This specification requests the registration of a new MIME type according to the procedures of RFC 4228 [4]

Please change reference 4 accordingly.

2)

OLD:

Author/Change controller:

This specification is a work item of the IETF GEOPRIV working group, with mailing list address <geopriv@ietf.org>.

NEW:

Author:

This specification is a work item of the IETF GEOPRIV working group, with mailing list address <geopriv@ietf.org>.

Change controller:

The IESG <iesg@ietf.org>

Notes to IANA  
(none)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 8

o draft-ietf-ccamp-rfc4327bis-01.txt  
 Link Management Protocol (LMP) Management Information Base (MIB)  
 (Proposed  
 Standard)  
 Note: [Note: IETF Last Call ends 5/9, 2 days before the telechat;  
 while I  
 don't expect any Last Call comments if there are any substantive  
 ones I may  
 remove it from the telechat to deal with them]  
 Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>  
 From: IESG Secretary <iesg-secretary@ietf.org>  
 Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
 Subject: Evaluation: draft-ietf-ccamp-rfc4327bis-01.txt to Proposed  
 Standard  
 -----

Evaluation for draft-ietf-ccamp-rfc4327bis-01.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
 command=view\\_id&dTag=14187&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=14187&rfc_flag=0)

Last Call to expire on: 2006-05-09

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ X ] | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ X ] | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
 with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ccamp mailing list <ccamp@ops.ietf.org>,

ccamp chair <kireeti@juniper.net>,

ccamp chair <adrian@olddog.co.uk>

Subject: Protocol Action: 'Link Management Protocol (LMP) Management Information Base (MIB)' to Proposed Standard

The IESG has approved the following document:

- 'Link Management Protocol (LMP) Management Information Base (MIB) ' <draft-ietf-ccamp-rfc4327bis-01.txt> as a Proposed Standard

This document is the product of the Common Control and Measurement Plane Working Group.

The IESG contact persons are Bill Fenner and Ross Callon.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ccamp-rfc4327bis-01.txt>

Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. In particular, it describes managed objects for modeling the Link Management Protocol (LMP). It updates RFC 4327 to correct incorrect numerical values for the values of the TruthValue TC. These numbers were all in text such as DESCRIPTIONs or examples; the MIB itself is unchanged from the one in RFC 4327.

Working Group Summary

The Working Group has consensus to publish this document as an RFC at Proposed Standard level.

## Protocol Quality

This document was reviewed for the IESG by Bill Fenner.

## Note to RFC Editor

(Insert note to RFC Editor here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 8 of 8

- o draft-ietf-sieve-imapflags-04.txt  
SIEVE Email Filtering: IMAP flag Extension (Proposed Standard)  
Token: Lisa Dusseault

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-sieve-imapflags-04.txt to Proposed Standard

-----

Evaluation for draft-ietf-sieve-imapflags-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12779&rf  
c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12779&rfc_flag=0)

Last Call to expire on: 2006-05-04

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ ]          | [ X ]   | [ ]     |
| Lisa Dusseault    | [ X ] | [ ]          | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ . ]   | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Brian Carpenter:

Discuss [2006-05-09]:

In the third paragraph of section 2.1:

"The Sieve interpreter SHOULD check the list of flags for validity as described by [IMAP] ABNF. In particular non-ASCII characters are not allowed in flag names. However spaces MUST be always allowed."

This last sentence makes no sense since according to [IMAP], flags are atomic names containing no white space.

(based on gen-art review by Eric Gray)

Comment [2006-05-09]:

Nits from gen-art review by Eric Gray:

Section 3, third paragraph, last sentence: "MUST cause a runtime

error" as opposed to "MUST cause runtime error"...

Section 6, first paragraph, last line: "side effect" as opposed to "side affect"...

Sam Hartman:

Comment [2006-05-09]:

I did not find this specification very clear. In particular, the internal variable was quite mystifying. I eventually figured out what it is for, but there is not a description of the intuitive use of the internal variable. The internal variable seems to act as a default for the flags that will be set on a message that is kept or filed. Nothing actually seems to say this though. Also calling it the internal variable is confusing. However this is non-blocking.

Russ Housley:

Comment [2006-05-08]:

The Abstract should not include the [IMAP] reference. Minor rewrite is needed.

Section 2 should contain the standard sentence from RFC 2119.

Cullen Jennings:

Comment [2006-05-09]:

It would benefit from more use of normative language. For example, I have no idea if you actually have to implement "hasflag" or if it is optional.

I find this document very hard to understand or follow. It lacks a coherent overview of the environment it fits into and it reads half way like an programmer guide instead of a specification of all the details an implementer needs to know.

The document does not pass idnits (but the important stuff is OK).

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
sieve mailing list <ietf-mta-filters@imc.org>,  
sieve chair <cyrus@daboo.name>,  
sieve chair <alexey.melnikov@isode.com>  
Subject: Protocol Action: 'SIEVE Email Filtering: IMAP flag Extension'  
to Proposed Standard

The IESG has approved the following document:

- 'SIEVE Email Filtering: IMAP flag Extension '  
<draft-ietf-sieve-imapflags-04.txt> as a Proposed Standard

This document is the product of the Sieve Mail Filtering Language Working Group.

The IESG contact persons are Lisa Dusseault and Ted Hardie.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-sieve-imapflags-04.txt>

#### Technical Summary

The SIEVE imap4flags extension provides the ability for a SIEVE script to set flags on messages as they are delivered into an IMAP message store.

The extension defines a number of new actions, and modifies two existing actions to allow the setting of flags. It can be used in the presence of the variables extension, or without it.

The draft has a description of how interactions with other SIEVE extensions/actions are handled.

There is a security considerations section.

This draft is being submitted for Proposed Standard.

#### Working Group Summary

The imap4flags extension was originally submitted as an individual contribution several years ago. It has had minor

changes since then, mostly in relation to its interaction with the variable extension. There are now several deployed implementations of this specification. Working group last call was issued in September 2005 and a number of minor clarifications and errors were fixed based on comments, and subsequent post-last-call comments.

## Protocol Quality

Many implementations of this extension have already been developed and deployed. Most participants are eager to see this spec published as an RFC.

There were at least 6 individuals (not including WG chairs) who posted comments during or post WG last call, and who indicated approval of the spec, with the WGLC changes included.

The SIEVE WG has reviewed the draft and discussed it at several meetings. Last-call (and post last-call) reviews included:

- Philip Guenther
- David Cridland
- Aaron Stone
- Ken Murchison
- Ned Freed

## Note to RFC Editor

(Insert note to RFC Editor here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.2 Returning Item - 1 of 1

- o draft-ietf-idr-rfc2858bis-10.txt

Multiprotocol Extensions for BGP-4 (Draft Standard)

Token: Bill Fenner

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-idr-rfc2858bis-10.txt to Draft Standard

-----

Evaluation for draft-ietf-idr-rfc2858bis-10.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8158&rfc_flag=0)

[command=view\\_id&dTag=8158&rfc](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8158&rfc_flag=0)

[\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=8158&rfc_flag=0)

Last Call to expire on: 2005-10-07

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ ]          | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ X ] | [ ]          | [ . ]   | [ ]     |
| Ted Hardie        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ X ]   | [ ]     |
| Jon Peterson      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ . ]   | [ ]     |

|                    |       |       |     |     |
|--------------------|-------|-------|-----|-----|
| Scott Hollenbeck   | [ ]   | [ X ] | [ ] | [ ] |
| Allison Mankin     | [ ]   | [ X ] | [ ] | [ ] |
| Margaret Wasserman | [ ]   | [ X ] | [ ] | [ ] |
| Bert Wijnen        | [ ]   | [ X ] | [ ] | [ ] |
| Alex Zinin         | [ X ] | [ ]   | [ ] | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

David Kessens:

Discuss [2005-12-01]:

I received the following comments from the Ops directorate by Pekka Savola that need to be addressed/discussed in one way or another:

The drafts says in '2. Overview':

The only three pieces of information carried by BGP-4 [BGP-4] that are IPv4 specific are (a) the NEXT\_HOP attribute (expressed as an IPv4 address), (b) AGGREGATOR (contains an IPv4 address), and (c) NLRI (expressed as IPv4 address prefixes).

The BGP specification includes 'BGP identifier' which is a 4-octet field.

Currently, it is set to an IPv4 address. (see also: draft-ietf-idr-bgp-identifier-06.txt).

The specification includes support for "Subnetwork Points of Attachment" (SNPA). Implementation report seems to indicate that no one has implemented this support, and if so, it certainly hasn't been interop-tested. RFC2026 doesn't allow advancing to Draft Standard unless this is implemented and tested or removed. I'd suggest considering removing the unused feature.

The draft says in 'IANA Considerations'

- SAFI values 128 through 240 are part of the previous "private use" range. Of this space, allocations which are currently in use are to be recognized by IANA. Unused values, namely 130, 131, 135 through 139, and 141 through 240 should be considered reserved, in order to avoid conflicts.

IANA does not know about what those 'currently in use' allocations are, as they are not recorded, and hence does not know how they should be recognized. This document should probably list the number, describe what it's used for and provide a reference. By the way -- is the list above even up to date anymore? A vendor could have started using other values since the above was written.

Comment [2005-12-01]:

Comments received from the Ops directorate by Pekka Savola:

Obsoles RFC2858

Yakov Rekhter (Juniper Networks)

=> the fact that this doc obsoletes 2858 should probably be mentioned in the body as well (typically both in Abstract and Introduction, but either one is fine with me at least).

## Abstract

Currently BGP-4 is capable of carrying routing information only for IPv4. This document defines extensions to BGP-4 to enable it to carry routing information for multiple Network Layer protocols (e.g., IPv6, IPX, etc...). The extensions are backward compatible - a router that supports the extensions can interoperate with a router that doesn't support the extensions.

=> the first sentence is no longer true. Remove (its information value isn't that high in the first place) or reword.

To

identify individual Network Layer protocols associated with the next

hop information and semantics of NLRI this document uses a combination of Address Family, as defined in [RFC1700], and Subsequent Address Family (as described in this document).

=> RFC1700 has been obsoleted, so maybe you should just point to <http://www.iana.org/assignments/address-family-numbers> instead (similar references later in the document).

## 16. Normative References

[BGP-CAP] "Capabilities Advertisement with BGP-4", R. Chandra, J. Scudder, RFC2842, May 2000

=> this is PS and would be a downref; luckily enough, RFC3392 which

is DS obsoletes 2842, so just replace the ref with 3392.

[BGP-4] Rekhter, Y., and T. Li, "A Border Gateway Protocol 4 (BGP-4)", RFC 1771, March 1995.

=> you should probably refer to the new bgp-4 spec instead.

Mark Townsley:

Comment [2006-05-10]:

One of the principal uses of these extensions today are for enabling RFC4364

L3VPNs, though the abstract indicates that the extensions exist for enabling

"IPv6, IPX, etc..." Perhaps this should be updated accordingly.

Any chance either of the MAY/SHOULDs quoted below can be made MUSTs based on known implementation?

"In addition, the speaker MAY terminate the BGP session over which the Update message was received. The session SHOULD be terminated with the Notification message code/subcode indicating "Update Message Error"/"Optional Attribute Error"."

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

idr mailing list <idr@ietf.org>,

idr chair <skh@nexthop.com>,

idr chair <yakov@juniper.net>

Subject: Protocol Action: 'Multiprotocol Extensions for BGP-4' to Draft Standard

The IESG has approved the following document:

- 'Multiprotocol Extensions for BGP-4 '  
<draft-ietf-idr-rfc2858bis-07.txt> as a Draft Standard

This document is the product of the Inter-Domain Routing Working Group.

The IESG contact persons are Bill Fenner and Alex Zinin.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-idr-rfc2858bis-07.txt>

#### Technical Summary

This document defines extensions to BGP-4 to enable it to carry routing information for multiple Network Layer protocols (e.g., IPv6, IPX, etc...). The extensions are backward compatible - a router that supports the extensions can interoperate with a router that doesn't support the extensions.

In the move to Draft Standard, the support for SAFI 3 (unicast+multicast for congruent topologies) was removed due to lack of implementation support. The value remains reserved in case this feature is implemented.

#### Working Group Summary

The working group had consensus to move this document to Draft Standard.

#### Protocol Quality

Bill Fenner reviewed this spec for the IESG. There are several implementations, as described in the accompanying implementation report, which can be found at <http://www.ietf.org/IESG/Implementations/mp-bgp-implementation-report.txt>

#### Note to RFC Editor

This document obsoletes RFC 2858.

Please make the following changes:

In the Abstract, remove the first sentence;

OLD:

Currently BGP-4 is capable of carrying routing information only for IPv4. This document defines extensions to BGP-4 to enable it to carry

NEW:

This document defines extensions to BGP-4 to enable it to carry

OLD:

To  
identify individual Network Layer protocols associated with the next  
hop information and semantics of NLRI this document uses a  
combination of Address Family, as defined in [RFC1700], and  
Subsequent Address Family (as described in this document).

NEW:

To  
identify individual Network Layer protocols associated with the next  
hop information and semantics of NLRI this document uses a  
combination of Address Family, as defined in [IANA-AF], and  
Subsequent Address Family (as described in this document).

This paragraph appears twice, please change both:

OLD:

Presently defined values for the Address Family Identifier  
field are specified in RFC1700 (see the Address Family Numbers  
section).

NEW:

Presently defined values for the Address Family Identifier  
field are specified in the IANA's Address Family Numbers  
registry [IANA-AF]

References:

OLD:

[BGP-CAP] "Capabilities Advertisement with BGP-4", R. Chandra, J.  
Scudder, RFC2842, May 2000

[BGP-4] Rekhter, Y., and T. Li, "A Border Gateway Protocol 4  
(BGP-4)", RFC 1771, March 1995.

[RFC1700] "Assigned Numbers", J. Reynolds, J. Postel, RFC1700,  
October 1994 (see also <http://www.iana.org/iana/assignments.html>)

NEW:

[BGP-CAP] Chandra, R. and J. Scudder, "Capabilities Advertisement  
with BGP-4", RFC 3392, November 2002.

[BGP-4] Rekhter, Y., Li, T., and S. Hares, "A Border Gateway  
Protocol 4 (BGP-4)", RFC 4271, January 2006.

[IANA-AF] "Address Family Numbers",

<http://www.iana.org/assignments/address-family-numbers>  
[XXX check with IANA regarding direct reference]

Authors' Addresses: [change juniper.com to juniper.net]

OLD:

Dave Katz  
Juniper Networks, Inc.  
email: dkatz@juniper.com

Yakov Rekhter  
Juniper Networks, Inc.  
email: yakov@juniper.com

NEW:

Dave Katz  
Juniper Networks, Inc.  
email: dkatz@juniper.net

Yakov Rekhter  
Juniper Networks, Inc.  
email: yakov@juniper.net

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 1 of 3

- o draft-ietf-ipsp-spd-mib-06.txt  
IPsec Security Policy Database Configuration MIB (Proposed Standard)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ipsp-spd-mib-06.txt to Proposed Standard  
-----

Evaluation for draft-ietf-ipsp-spd-mib-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=11319&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11319&rfc_flag=0)

Last Call to expire on: 2006-04-20

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley      | [ X ] | [ ]          | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ ]          | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Jari Arkko:

Comment [2006-04-27]:

> to have executed successfully.

Typo above.

Lars Eggert:

Comment [2006-04-26]:

Add RFC editor note from Section 1 to write-up.

Section 4.1: "In this table, the interface is specified using its assigned

address." First, an interface may have multiple IP addresses. Second, RFC1122

Section 3.3.4 allows multiple interfaces to share an IP address.

Identifying

interfaces by IP address is hence a bit more tricky.

Section 4.1.1, step 4: Maybe I'm dense, but the example and the text above it

appear to be out of sync - what about column\_value1 and 2?

Section 6.2: what is "in-authentic access?"

Needs a serious cycle of copyediting and spell-checking. RFC2119 terms used

inconsistently.

Sam Hartman:

Discuss [2006-04-24]:

Some of this is prompted by a review by Steve Kent.

This document appears well written and describes a reasonable configuration architecture. However the architecture that is described does not match IPsec as described in either RFC 2401 or RFC 4301. As an example, this MIB allows SPD rules to include arbitrary boolean expressions as traffic selectors. IKE can only negotiate IP address ranges (IKE V2 is more flexible but still not this flexible). It would be very difficult to describe how to get from an SPD entry in this MIB to something you could actually negotiate with IKE. In addition, many more filters are supported than are actually permitted by traffic selectors. For example, there is a filter type for examining arbitrary contents of a packet or examining diffserv information.

I'm afraid I'd need two things in order to really evaluate this

I do not (and should not have to) have time to conduct this review myself; I am not sure I am qualified without studying fine details IPsec that I am not fully familiar with.

I note that we're in kind of an unfortunate process situation. This MIB is compatible with RFC 3585. However that RFC is not actually compatible with IPsec. I think that producing implementable standards is a sufficiently high priority that even if RFC 3585 slipped through the cracks and proposes a model that does not actually work, this document should not be able to slip through the cracks.

Dan Romascanu:

These are not show stoppers, but should rather be corrected before the publication of the RFC:

1. There is one commented mention of RFC 3291 which was obsoleted by RFC 4001.
2. There is no RFC 2119 text, despite massive use of keywords. Actually this use of keywords is not consistent enough, I would suggest another pass through the MIB module, there are a few more places that need capitalization.
3. `spdTimeFiltDayOfWeekMask` OBJECT-TYPE  
SYNTAX BITS { sunday(0), monday(1), tuesday(2),  
wednesday(3), thursday(4), friday(5),

```

                                saturday(6) }
MAX-ACCESS    read-create
STATUS        current
DESCRIPTION
    "A bit mask which defines which days of the week the current
    time is valid for. This column evaluates to 'true' if the
    current day of the week's bit is set."
DEFVAL { { monday, tuesday, wednesday, thursday, friday,
          saturday, sunday } }
::= { spdTimeFilterEntry 5 }

```

The DEFVAL values seem to be out of order, sunday should be first. No real impact if somebody already did an implementation because it's all ones, but ...

4. In the DESCRIPTION clause of spdPacketNotification the following text seems redundant, taking into account the previous paragraph:

An action notification should be limited to a maximum of one notification sent per minute for any action notifications that do not have any other configuration controlling their send rate.

This can be taken out

^L

---- following is a DRAFT of message to be sent AFTER approval ---

```

From: The IESG <iesg-secretary@ietf.org>
To: IETF-Announce <ietf-announce@ietf.org>
Cc: Internet Architecture Board <iab@iab.org>,
    RFC Editor <rfc-editor@rfc-editor.org>,
    ipsp mailing list <ipsec-policy@vpnc.org>, ipsp chair
    <ho@alum.mit.edu>,
    ipsp chair <lsanchez@xapiens.com>
Subject: Protocol Action: 'IPsec Security Policy Database
        Configuration MIB' to None

```

The IESG has approved the following document:

- 'IPsec Security Policy Database Configuration MIB '
   
 <draft-ietf-ipsp-spd-mib-00.txt> as a None

This document is the product of the IP Security Policy Working Group.

The IESG contact persons are Steve Bellovin and Russ Housley.

### Technical Summary

This document defines an SMIV2 Management Information Base (MIB) module for configuring the security policy database of a device implementing the IPsec protocol. The policy-based packet filtering and the corresponding execution of actions described in this document are of a more general nature than for IPsec configuration alone, such as for configuration of a firewall. This MIB module is designed to be extensible with other enterprise or standards based defined packet filters and actions.

### Working Group Summary

This document is an individual submission, although the vast bulk of the work on this document was done under the IPSP WG before it was closed.

### Protocol Quality

This document was reviewed by Bert Wijnen for the MIB Doctors, and it was reviewed by Russ Housley for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 2 of 3

- o draft-josefsson-rfc3548bis-03.txt

The Base16, Base32, and Base64 Data Encodings (Proposed Standard)  
Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-josefsson-rfc3548bis-03.txt to Proposed  
Standard

-----

Evaluation for draft-josefsson-rfc3548bis-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=14019&rf  
c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=14019&rfc_flag=0)

Last Call to expire on: 2006-05-01

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ ]          | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie        | [ X ] | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ X ]   | [ ]     |
| Cullen Jennings   | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Bill Fenner:

Comment [2006-05-10]:

Is it wise to have a character from the "reserved" [sub-delims]  
production  
in the "URL safe" base64 alphabet (=)? The only remaining "unreserved"  
characters are ~ (already addressed) and ".", which could have its own  
problems wrt "filename-safe".

[I ask because I saw a brief discussion go by from two people discussing

base64-encoded data in URLs and they were explicitly talking about needing to percent-encode the "=" and they decided to instead discard the padding and make the padding implicit. RFC 1738 does imply that "=" has to be encoded unless it's being used for a scheme-specific purpose; RFC 3986 is more clear on this point but helper libraries etc. are likely to be based on the older document.]

Ted Hardie:

Comment [2006-05-09]:

The author has agreed with Russ's point. An RFC Editor note adding a reference to the LGPL is pending other review, to see if other RFC Editor notes/revisions are needed.

Sam Hartman:

Comment [2006-05-09]:

It seems that when padding is required, that multiple encodings are possible. For example, if the input is only one octet for a base 64 encoding, then all six bits of the first symbol are used, but only the first two bits of the next symbol are used. Many decoders would presumably work with this case. One consequence of this is that there is not a canonical encoding. That is, multiple base64 inputs decode to the same value. That's significant from a security standpoint. I'd appreciate it if this document could mandate encoders produce a canonical encoding (even if it cannot mandate decoders reject non-canonical encodings) and discuss the security implications.

Russ Housley:

Discuss [2006-05-08]:

Reported by Tero Kivinen in his SecDir Review.

The document itself includes a C-source code of the Base64 encoding and decoding functions and that source code is released under GNU Lesser General Public License (LGPL). The LGPL boilerplate mentions that the actual copy of the GNU Lesser General Public License should be received along the program, but it is not included in the document. (and there is no reference to it in the references section).

Cullen Jennings:

Comment [2006-05-09]:

I made several comments on this draft in IETF LC and I was pleased (and frankly, surprised) to see they were all addressed very nicely. Thank you.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'The Base16, Base32, and Base64 Data Encodings' to Proposed Standard

The IESG has approved the following document:

- 'The Base16, Base32, and Base64 Data Encodings '  
<draft-josefsson-rfc3548bis-02.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-josefsson-rfc3548bis-02.txt>

#### Technical Summary

This document describes the commonly used base 64, base 32, and base 16 encoding schemes. It also discusses the use of line-feeds in encoded data, use of padding in encoded data, use of non-alphabet characters in encoded data, and use of different encoding alphabets. It obsoletes the descriptions in RFC 3548.

#### Working Group Summary

This work is the product of an individual submitter. There were significant IETF Last Call comments, and the draft was updated to respond to them.

#### Protocol Quality

This document was reviewed for the IESG by Ted Hardie.

Note to RFC Editor

(Insert note to RFC Editor here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.1 New Item - 3 of 3

- o draft-taylor-types-example-04.txt

Example media types for use in documentation (Proposed Standard)  
Token: Magnus Westerlund

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-taylor-types-example-04.txt to Proposed Standard

-----

Evaluation for draft-taylor-types-example-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=14540&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=14540&rfc_flag=0)

Last Call to expire on: 2006-05-09

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ X ]   | [ ]     |
| Sam Hartman       | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ X ] | [ ]          | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ ]          | [ X ]   | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Lisa Dusseault:

Comment [2006-05-10]:

I understand that there has been a bunch of discussion in a couple WGs about whether it's OK for documents to use unregistered example MIME types, and that has prompted this proposal. While I think that the original document critique is a stupid concern and over-literalist, I'm OK with the example types being registered if it stops the time-wasting discussions.

Ted Hardie:

Discuss [2006-05-09]:

The document says:

Subtype name: any subtype may be used with the 'example' type.  
However, subtypes of 'example' MUST NOT be registered.

I think this is not quite clear enough. I first read it as preventing registration

of things like type/example; that wouldn't make sense, obviously, since this document registers several of those. The intent is to say that "IANA MUST NOT register subtypes for the 'example' type. "

It is not clear to me why this document covers some top-level types and not all (e.g. model/example or message/example). I would like to discuss whether this should be fully generalized, or whether those should be added only on demonstrated need.

Dan Romascanu:

Comment [2006-05-10]:

It is not clear to me why this document is on track for Proposed Standard. I can hardly see how it can be checked vs. criteria of progressing on standards track. Section 5 says 'The 'example' media type and subtypes are defined for use in documentation only.'. RFC4288 - a BCP itself - says in Section 3.1 'In the case of registration for the IETF itself, the registration proposal MUST be published as an RFC' without making a statement about the need for a standards track RFC. Maybe there are some other considerations of consistency, or some precedents that escape me.

Magnus Westerlund:

Discuss [2006-05-10]:

Holding a discuss for IANA:

The document also requests registration of "the example media type". Should this be added to the listing of media types at the following locations or does IANA not need to add anything?

<http://www.iana.org/assignments/media-types/index.html>

<http://www.iana.org/assignments/media-types-parameters>

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Protocol Action: 'Example media types for use in  
documentation' to Proposed Standard

The IESG has approved the following document:

- 'Example media types for use in documentation '  
<draft-taylor-types-example-03.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Magnus Westerlund.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-taylor-types-example-03.txt>

#### Technical Summary

This document specifies a new top level media type "example" and the sub-type

"/example" for the media top level types application, audio, image, text, and

video. These type are solely intended to be used in examples in other standards

documents in cases when specific media types are not required.

#### Working Group Summary

This is not a product of a WG.

#### Protocol Quality

This responsible AD for this document was Magnus Westerlund.

The document was reviewed by people on the [ietf-types@iana.org](mailto:ietf-types@iana.org) mailing list.

#### Note to RFC Editor

(Insert note to RFC Editor here)

IESG Note

(Insert IESG Note here)

IANA Note

(Insert IANA Note here)

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"

#### 3.1.1 New Item - 1 of 2

- o draft-ietf-ccamp-gmpls-ason-routing-eval-03.txt

Evaluation of existing Routing Protocols against ASON routing requirements

(Informational)

Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ccamp-gmpls-ason-routing-eval-03.txt to Informational RFC

-----

Evaluation for draft-ietf-ccamp-gmpls-ason-routing-eval-03.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13090&rfc_flag=0)

[command=view\\_id&dTag=13090&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13090&rfc_flag=0)

[c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13090&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ X ] | [ ]          | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ X ]        | [ . ]   | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Sam Hartman:

Comment [2006-05-09]:

This no objection presumes pending updates to the security considerations section.

Dan Romascanu:

Comment [2006-05-10]:

Appendix 1 includes the following:

Management domain: (see Recommendation G.805) a management domain defines a collection of managed objects which are grouped to meet organizational requirements according to geography, technology, policy or other structure, and for a number of functional areas such as configuration, security, (FCAPS), for the purpose of providing control in a consistent manner.

It is not clear what was the intention here, but FCAPS already includes

configuration and security. It looks like the editor needs to either take out 'configuration, security' or add all the componets of the quintet to the list, or add the work 'within' as in 'configuration and security within FCAPS'.

Mark Townsley:

Comment [2006-05-10]:  
Six authors.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ccamp mailing list <ccamp@ops.ietf.org>,

ccamp chair <adrian@olddog.co.uk>,

ccamp chair <dbrungard@att.com>

Subject: Document Action: 'Evaluation of existing Routing Protocols  
against ASON routing requirements' to Informational RFC

The IESG has approved the following document:

- 'Evaluation of existing Routing Protocols against ASON routing  
requirements '  
    <draft-ietf-ccamp-gmpls-ason-routing-eval-02.txt> as an Informational  
RFC

This document is the product of the Common Control and Measurement Plane  
Working Group.

The IESG contact persons are Ross Callon and Bill Fenner.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ccamp-gmpls-ason-routing-eval-02.txt>

Technical Summary

This is an informational document that could be thought of as serving a

liaison function, since it discusses how IETF routing protocols (particularly OSPF and IS-IS) can support the ASON work that is being done in the ITU.

#### Working Group Summary

No dissent.

#### Protocol Quality

Ross Callon has reviewed this for the IESG. Also reviewed by Deborah Brungard at Ross's request. Document has a good set of authors across CCAMP, IGP WGs, ITU-T and OSPF. Also reviewed closely by ITU-T SG15 (with liaisons exchanged).

#### Note to RFC Editor

There is a moderately long list of very minor editorial nits that I can send to the RFC editor (although the author says that he will update the document to correct the minor editorial nits).

#### IESG Note

(Insert IESG Note here)

#### IANA Note

I am pretty sure that there are no IANA implications.

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

### 3.1.1 New Item - 2 of 2

- o draft-ietf-mobike-design-08.txt  
Design of the MOBIKE Protocol (Informational)  
Note: PROTO Shepherd: Paul Hoffman <phoffman@vpnc.org>  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-mobike-design-08.txt to Informational RFC

-----

Evaluation for draft-ietf-mobike-design-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=11931&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=11931&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ R ]   |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ ]          | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ ]          | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ X ] | [ ]          | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ X ]        | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Cullen Jennings:

Comment [2006-05-10]:

First of all, I'm not sure if this is a WG document or not because the WG seemsto be closed. I'm wondering how we will deal with the changes that may come up in review. Given the protocol document has already been approved, I think this is all "not critical" and don't care if any of the following items are addressed or if anyone ever sends me an email on any of them. I did try and read this carefully but it is a lot to grock and it may be that all the things I bring up below are answered in the document and I just missed it.

The term address confuses me in the document - I am never sure if it means an ip address or the pair of ip address and port. For example, imagine I have a notebook computer in an enterprise that is behind a NAT and it has a wired and an 802.11 connection. The port will change but the IP address will not. Does allof this work in this case?

The discussion about return route-ability and uses of certificates with multiple IPs is interesting. However, in 5.5.3 I don't actually understand the approach taken. I don't understand how the random cookie works - is this something both sides know before the address change then use to validate the newaddress? Or is this something sent back and forth on the new address after than change? Why is the cookie needed given an ike transaction takes place? I don't understand why this would be made optional. The argument that we are no worse that NAT-T is, well, pretty sad given we could be better than that. I'm not claiming there is a problem in the final protocol here - I'm just not understanding what is probably one of the key parts of this document. Jari explained this to me so I do get it now but I'm not sure someone reading the document would.

I think this document needs a normative reference to NAT-T RFC 3947. I could

not make sense of it without reading this.

In section 5.2.2 I think the term symmetric NAT is pretty vague and could be much more specifically described as "Address or Port Depended Filtering" as defined in the behave stuff.

A boxes and arrows style message flow of a transition from one address to another would have helped make this understandable.

In section 6.2, I'm concerned about if it is possible to get the full address list. Say I had a notebook computer with wired address 10.0.0.1 behind nat 1.1.1.1 and the notebook computer also had a wireless interface with address 192.168.0.2 behind nat 2.2.2.2. Clearly I have 4 addresses - however the far end is going to at first think I have three, 10.0.0.1, 192.168.0.2, and 1.1.1.1. Then when switching to wireless, it will get updated to 10.0.0.1, 192.168.0.2 and 2.2.2.2. The 1.1.1.1 which is the current one in use gets dropped from the list. Is this right? Will this cause any harm? What does this list get used for?

The term "bombing" get introduced with no definition - I understand it but I don't know how common a term it is.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mobike mailing list <mobike@machshav.com>,

mobike chair <paul.hoffman@vpnc.org>,

mobike chair <jari.arkko@piuha.net>

Subject: Document Action: 'Design of the MOBIKE Protocol' to  
Informational RFC

The IESG has approved the following document:

- 'Design of the MOBIKE Protocol '  
    <draft-ietf-mobike-design-08.txt> as an Informational RFC

This document is the product of the IKEv2 Mobility and Multihoming Working Group.

The IESG contact persons are Russ Housley and Sam Hartman.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-mobike-design-08.txt>

#### Technical Summary

The MOBIKE WG considered many different protocols and protocol fragments before it chose the final protocol. This document lists the most interesting choices faced by the MOBIKE WG, with some justification for the choices that were made.

#### Working Group Summary

The MOBIKE WG had no objections to this document being published.

#### Protocol Quality

It is not a protocol; it is a discussion of design choices.

This document was reviewed by Russ Housley for the IESG.

#### 3.1.2 Returning Item

NONE

#### 3. Document Actions

##### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?  
If

not, what changes would make it so?"

3.2.1 New Item - 1 of 2

- o draft-ietf-ipsec-ike-ecp-groups-02.txt  
ECP Groups For IKE and IKEv2 (Informational)  
Token: Russ Housley

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ipsec-ike-ecp-groups-02.txt to  
Informational  
RFC

-----

Evaluation for draft-ietf-ipsec-ike-ecp-groups-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13085&rf  
c\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13085&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter   | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner       | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Sam Hartman       | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ X ] | [ ]          | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ ]          | [ ]     | [ ]     |
| David Kessens     | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ ]          | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

## DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'ECP Groups For IKE and IKEv2' to  
Informational RFC

The IESG has approved the following document:

- 'ECP Groups For IKE and IKEv2 '  
<draft-ietf-ipsec-ike-ecp-groups-02.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Russ Housley.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ipsec-ike-ecp-groups-02.txt>

### Technical Summary

This document describes three new elliptic curve groups for use in the Internet Key Exchange (IKE) and Internet Key Exchange version 2 (IKEv2) protocols in addition to previously defined groups. Specifically, the new elliptic curve groups are based on modular arithmetic rather than binary arithmetic. These new elliptic groups are defined to align IKE and IKEv2 with other elliptic curve cryptography (ECC) implementations and standards, particularly NIST standards. In addition, the curves defined here can provide more efficient implementation than previously defined ECC groups.

### Working Group Summary

This document is an individual submission, although it was very briefly discussed on the IPsec mail list.

### Protocol Quality

This document was reviewed by Russ Housley for the IESG.

### 3. Document Actions

#### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.2.1 New Item - 2 of 2

- o draft-rushing-s1000d-urn-00.txt

A URN Namespace for ASD Specification 1000D (Informational)

Token: Ted Hardie

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-rushing-s1000d-urn-00.txt to Informational RFC

-----

Evaluation for draft-rushing-s1000d-urn-00.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=14001&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=14001&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

|                 | Yes   | No-Objection | Discuss | Abstain |
|-----------------|-------|--------------|---------|---------|
| Jari Arkko      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ross Callon     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Brian Carpenter | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault  | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert     | [ ]   | [ ]          | [ ]     | [ ]     |
| Bill Fenner     | [ ]   | [ ]          | [ ]     | [ ]     |
| Ted Hardie      | [ X ] | [ ]          | [ ]     | [ ]     |

|                   |     |       |     |     |
|-------------------|-----|-------|-----|-----|
| Sam Hartman       | [ ] | [ ]   | [ ] | [ ] |
| Russ Housley      | [ ] | [ ]   | [ ] | [ ] |
| Cullen Jennings   | [ ] | [ X ] | [ ] | [ ] |
| David Kessens     | [ ] | [ ]   | [ ] | [ ] |
| Jon Peterson      | [ ] | [ ]   | [ ] | [ ] |
| Dan Romascanu     | [ ] | [ X ] | [ ] | [ ] |
| Mark Townsley     | [ ] | [ ]   | [ ] | [ ] |
| Magnus Westerlund | [ ] | [ X ] | [ ] | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Jari Arkko:

Comment [2006-04-27]:  
s/described/described/

Cullen Jennings:

Comment [2006-05-09]:  
Might want to explain what "ASD Specification 1000D" is in the abstract.

Worlds most trivial of nit but I'm one of the phone number standards guys, and,well, I think the phone number in the author's address is wrong. It should be +1not +01. I'm almost embarrassed to bother mentioning this - I really don't thinkthis will harm the internet if not fixed :-)

Dan Romascanu:

Comment [2006-05-10]:  
I do not know if we really care, but there seems to be a consistent vagueness inthe document when refering to the S1000D specification. Reference [5] should be  
I believe more exactly defined not as

OLD:

"ASD Specification 1000D", May 2005

but

NEW:

"ASD Specification 1000D, Issue 2.2", May 2005

However, the text does not refer to [5] at all (and not to any of the Normative references as a fact) but rather includes statements like: 'A suggested method of resolution is outlined in ASD S1000D.', 'Identifiers must conform to ASD S1000D', etc. which may be interpreted as referring to a more 'atemporal' version of S1000D, and not to the May 2005 version in the Normative References.

At first sight this does not seem right.

Magnus Westerlund:

Comment [2006-05-09]:

- The formal syntax language should be referenced.
- "subnamespace" seems to potentially be extensible. The text hints at that.

However the syntax does not allow for such extensions.

^L

----- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'A URN Namespace for ASD Specification  
1000D' to Informational RFC

The IESG has approved the following document:

- 'A URN Namespace for ASD Specification 1000D '  
<draft-rushing-s1000d-urn-00.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Ted Hardie.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-rushing-s1000d-urn-00.txt>

## Technical Summary

Specification 1000D (S1000D) is an international specification for the procurement and production of technical publications. The current issue of the specification has been jointly produced by the Aerospace and Defence Industries Association of Europe (ASD. Previously AECMA, European Association of Aerospace Industries) and the Aerospace Industries Association of America (AIA). This document describes a Uniform Resource Name (URN) namespace for naming persistent resources defined by ASD Specification 1000D.

## Working Group Summary

This document is the work of an individual submitter. It was reviewed by the URN-NID list as required in RFC 3406.

## Protocol Quality

This was reviewed for the IESG by Ted Hardie.

## Note to RFC Editor

(Insert note to RFC Editor here)

## IESG Note

(Insert IESG Note here)

## IANA Note

(Insert IANA Note here)

### 3.2.2 Returning Item

NONE

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 3. Document Actions

### 3.3 Individual Submissions Via RFC Editor

#### 3.3.3 For Action - 1 of 2

- o draft-deoliveira-diff-te-preemption-05.txt  
LSP Preemption Policies for MPLS Traffic Engineering (Informational)  
Token: Brian Carpenter

## 3. Document Actions

### 3.3 Individual Submissions Via RFC Editor

#### 3.3.3 For Action - 2 of 2

- o draft-bivens-sasp-03.txt  
Server/Application State Protocol v1 (Informational)  
Token: Brian Carpenter

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.2 Proposed for Approval

- o IP over IEEE 802.16 Networks (16ng) - 1 of 1  
Token: Jari Arkko

IP over IEEE 802.16 Networks (16ng)

=====

Last Modified: 2006-05-01

Current Status: Proposed Working Group

Chair(s):

Soohong Daniel Park <soohong.park@samsung.com>

Gabriel Montenegro <gabriel\_montenegro\_2000@yahoo.com>

Internet Area Director(s):

Jari Arkko <jari.arkko@piuha.net>

Mark Townsley <townsley@cisco.com>

Technical Advisor(s):

Maximilian Riegel <maximilian.riegel@siemens.com>

Mailing Lists:

General Discussion: 16ng@eeca16.sogang.ac.kr

To Subscribe: <http://eeca16.sogang.ac.kr/mailman/listinfo/16ng>

Archive: <http://eeca16.sogang.ac.kr/pipermail/16ng>

Description of Working Group:

Broadband Wireless Access Networks address the inadequacies of low bandwidth wireless communication for user requirements such as high quality data/voice service, wide coverage, etc. The IEEE 802.16 Working Group on Broadband Wireless Access Standards develops standards and recommended practices to support the development and deployment of Broadband Wireless Metropolitan Area Networks.

Recently, the WiMAX Forum, and, in particular, its NWG (Network Working Group) is defining the IEEE 802.16 network architecture. Similarly, different standard bodies (e.g., WiBro-Wireless Broadband in Korea) are in the progress of defining network architecture based on IEEE 802.16.

IEEE 802.16 is different from existing wireless access technologies such as IEEE 802.11 or 3G because of the existence of multiple Convergence Sublayers which makes the specification of IP over IEEE 802.16 non-trivial.

For example: immediately subsequent to network entry, an 802.16 subscriber station has no capability whatsoever for data (as opposed to management) connectivity. Especially, in IP CS case, the criteria by which the Base Station (or other headend elements) set up the 802.16 MAC connections for data transport are not part of the 802.16 standard, and depend on the type of data services being offered (e.g., the set up of link layer connections will be different for IPv4 and IPv6 services).

Additionally - as IEEE 802.16 is a point-to-multipoint network - an 802.16 subscriber station is not capable of multicasting (e.g., for neighbor discovery, ARP, IP multicasting services, etc.) or direct communication to the other nodes within the same subnet (prefix).

The principal objective of the 16ng working group is to specify the

operation of IPv4 and IPv6 over IEEE 802.16, taking into account the IPv4, IPv6 and Ethernet Convergence Sublayers. The working group may issue recommendations to IEEE 802.16 aiming at improving support for IP.

The scope of this working group is as follows (WG Deliverables);

- Produce "16ng Problem Statement, Goal and Requirement" to identify the 16ng problem statement, goal and technical requirement of IP adoption over IEEE 802.16 along with 16ng related terminology to be used for the base guideline while defining solution frameworks.  
[Informational RFC]

- Produce "IPv6 over IEEE 802.16 Networks in conjunction with IPv6 CS" to define IPv6 operation including the transmission of IPv6 over IEEE 802.16 link, Neighbor Discovery Protocol, Stateful (DHCPv6) and Stateless Address Configuration, Broadcast, Multicast, etc. [Proposed Standard RFC]

- Produce "IPv6 over IEEE 802.16 Networks in conjunction with Ethernet CS" to define IPv6 operation including the transmission of IPv6 over IEEE 802.16 link, Neighbor Discovery Protocol, Stateful (DHCPv6) and Stateless Address Configuration, Broadcast, Multicast, etc. [Proposed Standard RFC]

- Produce "IPv4 over IEEE 802.16 Networks in conjunction with IPv4 CS" to define IPv4 operation including the transmission of IPv4 over IEEE 802.16 links, ARP operation, Stateful Address Configuration (DHCPv4), Broadcast, Multicast, etc [Proposed Standard RFC]

- Produce "IPv4 over IEEE 802.16 Networks in conjunction with Ethernet CS" to define IPv4 operation including the transmission of IPv4 over IEEE 802.16 links, ARP operation, Stateful Address Configuration (DHCPv4), Broadcast, Multicast, etc [Proposed Standard RFC]

- Produce "IP deployment over IEEE 802.16 Networks" to illustrate the IP deployment scenarios and considerations over IEEE 802.16 networks based

on  
the WiMAX and WiBro. [Informational RFC]

16ng will not initially consider other work items than the ones listed above; however, other works related to improved IP over 16ng may occur in other relevant WGs, and 16ng will participate and help coordinate with such efforts.

This working group will take dual stack operation into account in its specifications, and reuse existing specifications whenever reasonable and possible.

#### Goals and Milestones:

Jul 06 Submit Internet-Draft on 16ng Problem Statement, Goal and Requirement to IESG for considerations of publication as Informational RFC

Sep 06 Submit Internet-Draft on IPv6/IPv6CS transmission over IEEE 802.16 networks to IESG for consideration of publication as Proposed Standard RFC

Oct 06 Submit Internet-Draft on IPv4/IPv4CS transmission over IEEE 802.16 to IESG for consideration of publication as Proposed Standard RFC

Nov 06 Submit Internet-Draft on IPv4/EthernetCS transmission over IEEE 802.16 networks to IESG for consideration of publications as Proposed Standard RFC

Dec 06 Submit Internet-Draft on IPv6/EthernetCS transmission over IEEE 802.16 networks to IESG for consideration of publication as Proposed Standard RFC

Feb 07 Submit Internet-Draft on IP deployment over IEEE 802.16 networks to IESG for consideration of publication as Informational RFC

Mar 07 Working Group close or rechartering if necessary

#### 4. Working Group Actions

## 4.2 WG Rechartering

### 4.2.1 Under evaluation for IETF Review

NONE

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.2 Proposed for Approval

NONE

## 5. IAB News We Can Use

## 6. Management Issues

### 6.1 Confirm new IAB liaison (Ted Hardie)

### 6.2 Expedited IANA processing for draft-santesson-tls-ume-07 and draft-santesson-tls-sup-02 (Russ Housley)

All of the DISCUSS positions for draft-santesson-tls-ume-07 and draft-santesson-tls-sup-02 have been cleared. These documents are now approved. As we have known for several weeks, Microsoft has implemented these

documents, and Microsoft plans to ship their implementation as part of Microsoft

Vista. RedHat has announced that they will ship an implementation as well. I

would like for Microsoft and RedHat to use the IANA-assigned numbers. I strongly suspect that RedHat will use whatever numbers are used by Microsoft, as

interoperability is vital. With an expedited IANA assignment, we can ensure

that Microsoft is aware of the proper numbers in time to include them in Microsoft Vista.

### 6.3 New-work (Dan Romascanu)

I need to ask to put the issue of the new-work list as a management issue on the agenda of the Thursday telechat.

Bert got back to me on this issue answering that he prefers that somebody else from the current IESG or IAB takes over this task. He also made a number of comments and recommendations about how to revitalize this activity that are worth being discussed.

## 7. Working Group News We Can Use

Jari Arkko  
Ross Callon  
Brian Carpenter  
Lisa Dusseault  
Lars Eggert  
Bill Fenner  
Ted Hardie  
Sam Hartman  
Russ Housley  
Cullen Jennings  
David Kessens  
Jon Peterson  
Dan Romascanu  
Mark Townsley  
Magnus Westerlund

Return-path: <iesg-bounces@ietf.org>  
Envelope-to: iesg-secret-archive@optimus.ietf.org  
Received: from [127.0.0.1] (helo=stiedprmm1.va.neustar.com)  
by megatron.ietf.org with esmtp (Exim 4.43)  
id 1FgTfn-0005XI-4C; Wed, 17 May 2006 17:35:15 -0400  
Received: from [10.91.34.44] (helo=ietf-mx.ietf.org)  
by megatron.ietf.org with esmtp (Exim 4.43) id 1FgTfl-0005X8-LK  
for iesg@ietf.org; Wed, 17 May 2006 17:35:13 -0400  
Received: from numeror.qualcomm.com ([129.46.51.58])  
by ietf-mx.ietf.org with esmtp (Exim 4.43) id 1FgTfk-0004MX-A2  
for iesg@ietf.org; Wed, 17 May 2006 17:35:13 -0400  
Received: from neophyte.qualcomm.com (neophyte.qualcomm.com  
[129.46.61.149])  
by numeror.qualcomm.com (8.13.6/8.12.5/1.0) with ESMTP id  
k4HLYgoR021142  
(version=TLSv1/SSLv3 cipher=DHE-RSA-AES256-SHA bits=256  
verify=FAIL);  
Wed, 17 May 2006 14:34:43 -0700  
Received: from [129.46.225.88] (dhcp-campbell-28.qualcomm.com  
[129.46.225.88])  
by neophyte.qualcomm.com (8.13.6/8.12.5/1.0) with ESMTP id  
k4HLYeUt008597; Wed, 17 May 2006 14:34:42 -0700 (PDT)  
Mime-Version: 1.0  
Message-Id: <p06230905c09146fe38e7@[129.46.225.88]>  
In-Reply-To: <87psic2f.fsf@latte.josefsson.org>  
References: <E1FeAJb-0001sw-Aq@ietf.org>  
<8764kc91de.fsf@latte.josefsson.org> <446364DE.  
6040205@zurich.ibm.com>

<44637DD3.2090305@piuha.net>  
<3483A728-3120-46AD-967A-2F2EE2BC4197@cisco.com>  
<87k68n70tp.fsf@latte.josefsson.org> <4468E2D1.6050404@piuha.net>  
<873bfa5nkp.fsf@latte.josefsson.org>  
<446B1461.1040808@zurich.ibm.com>  
<446B7DA7.2050308@piuha.net> <87psicic2f.fsf@latte.josefsson.org>  
Date: Wed, 17 May 2006 14:34:39 -0700  
To: Simon Josefsson <jas@extundo.com>, Jari Arkko <jari.arkko@piuha.net>  
From: Ted Hardie <hardie@qualcomm.com>  
Content-Type: text/plain; charset="us-ascii"  
X-Spam-Score: 1.1 (+)  
X-Scan-Signature: 9ed51c9d1356100bce94f1ae4ec616a9  
Cc: iesg@ietf.org  
Subject: Re: DISCUSS: draft-josefsson-rfc3548bis  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.5  
Precedence: list  
List-Id: iesg.ietf.org  
List-Unsubscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www1.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www1.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Errors-To: iesg-bounces@ietf.org

At 11:19 PM +0200 5/17/06, Simon Josefsson wrote:

>Jari Arkko <jari.arkko@piuha.net> writes:

>

>>>

>>> The risk in doing that is that somebody might appeal and if they  
>>> do so, the IESG or IAB might allow the appeal.

>>>

>>> The running code evidence is that this is a small risk.

>>>

>>> The fully OK way is a process variance under RFC 2026 section 9.1.

>>> But that is a lot of overhead work.

>>>

>>> Jari, it's your Discuss...

>>

>> Right. I decided to clear my discuss; this is simply the  
>> right thing to do in this case and process-wise easier  
>> for everyone.

>

>Thanks!

>

>Ted, do you know if there are any issues left to address? I may have  
>forgotten about some e-mail.

None that are blocking. Have you and Bill closed on his comment?

>[2006-05-10] Is it wise to have a character from the "reserved" [sub-  
delims] production  
>in the "URL safe" base64 alphabet (=)? The only remaining "unreserved"  
>characters are ~ (already addressed) and ".", which could have its own  
>problems wrt "filename-safe".

>

>[I ask because I saw a brief discussion go by from two people  
discussing  
>base64-encoded data in URLs and they were explicitly talking about  
>needing to percent-encode the "=" and they decided to instead discard  
>the padding and make the padding implicit. RFC 1738 does imply that  
>"=" has to be encoded unless it's being used for a scheme-specific  
>purpose; RFC 3986 is more clear on this point but helper libraries  
>etc. are likely to be based on the older document.]

If that is still pending, I'll hold off asking the Secretariat to  
announce;  
otherwise, I think it is ready. Since it is non blocking, you and Bill  
don't have to come to agreement on it--I just want to check if the  
matter is open.

Ted

From: Donald.Eastlake at motorola.com (Eastlake III Donald-LDE008)  
Date: Sun, 2 Mar 2008 22:46:58 -0500  
Subject: Secdir review: draft-ellermann-news-nntp-uri-09.txt  
Message-ID:  
<3870C46029D1F945B1472F170D2D97900391DEDD@de01exm64.ds.mot.com>

This is a relatively simple draft to extract the specifications for the  
"news:" and "nntp:" URIs from RFC 1738 into a separate document and  
update them slightly for modern usage so they can stay on the standards  
track when RFC 1738 is obsoleted.

The security considerations section primarily incorporates by reference  
the security considerations sections of other RFCs. That seems adequate  
in this case, although I am unclear on what the last sentence "Compare  
[RFC5064] for similar security considerations." adds.

Editorial comment:

Page 7, 4th line from the bottom, "does not more require" -> "does not require".

Donald

---

Donald E. Eastlake 3rd        +1-508-786-7554 (work)  
Motorola Laboratories  
111 Locke Drive  
Marlborough, MA 01752 USA  
Donald.Eastlake at motorola.com

Return-Path: <iesg-bounces@iesg.org>  
X-Original-To: ietfarch-iesg-archive@core3.amsl.com  
Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
    by core3.amsl.com (Postfix) with ESMTP id 7AFD128C1C5  
    for <ietfarch-iesg-archive@core3.amsl.com>; Tue, 25 Mar 2008  
16:13:36 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: 2.399  
X-Spam-Level: \*\*  
X-Spam-Status: No, score=2.399 tagged\_above=-999 required=5 tests=  
[AWL=-0.360,  
    BAYES\_00=-2.599, FH\_RELAY\_NODNS=1.451, FROM\_LOCAL\_NOVOWEL=3.196,  
    HELO\_MISMATCH\_ORG=0.611, RDNS\_NONE=0.1]  
Received: from mail.ietf.org ([64.170.98.32])  
    by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
    with ESMTP id 2vAG+PebxFZ3; Tue, 25 Mar 2008 16:13:35 -0700 (PDT)  
Received: from core3.amsl.com (localhost [127.0.0.1])  
    by core3.amsl.com (Postfix) with ESMTP id 5807A28C1AD;  
    Tue, 25 Mar 2008 16:13:33 -0700 (PDT)  
X-Original-To: tmdaiesg@core3.amsl.com  
Delivered-To: tmdaiesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
    by core3.amsl.com (Postfix) with ESMTP id 86A9E3A6838  
    for <tmdaiesg@core3.amsl.com>; Tue, 25 Mar 2008 12:56:22 -0700  
(PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
Received: from mail.ietf.org ([64.170.98.32])  
    by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
    with ESMTP id wnVxfzkdR8dz for <tmdaiesg@core3.amsl.com>;  
    Tue, 25 Mar 2008 12:56:21 -0700 (PDT)

Received: from fg-out-1718.google.com (fg-out-1718.google.com  
[72.14.220.153])  
by core3.amsl.com (Postfix) with ESMTP id E24793A69A7  
for <iesg@ietf.org>; Tue, 25 Mar 2008 12:56:20 -0700 (PDT)  
Received: by fg-out-1718.google.com with SMTP id 16so2804308fgg.41  
for <iesg@ietf.org>; Tue, 25 Mar 2008 12:53:56 -0700 (PDT)  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=gmail.com;  
s=beta;  
h=domainkey-signature:received:received:message-  
id:from:to:cc:references:subject:date:organization:mime-version:content-  
type:content-transfer-encoding:x-priority:x-msmail-priority:x-mailer:x-  
mimeole;  
bh=0JvXX6/TLB8T9DUErPFwc9s0XiSJB rQ0pv1cAqKJeuc=;  
b=umpsZGScKhYXtAHTZabmkJun6e25L56ta8DvMsLLGMePxli  
+S0M04PrtGMQSuiSjvAen7n072CjFAzc+XgFfv5zFTa5LZ9Tm8+o9IiXibVUk/Vnx/2M0/  
Y6JqHEC3P/nd0xpBKyYq8ksQdjXJyKxL/bBo4XQ0no8QEe8IJDUNiM=  
DomainKey-Signature: a=rsa-sha1; c=noFWS; d=gmail.com; s=beta;  
h=message-id:from:to:cc:references:subject:date:organization:mime-  
version:content-type:content-transfer-encoding:x-priority:x-msmail-  
priority:x-mailer:x-mimeole;  
b=Ncm5Jk3+hKmnjMT5WMerBQPJmBTnrSMVmKwQrhN2c2vBemRhsbHBx90WpJTpkd  
+LU9etqlaqqC8/u30n36xTppYL/  
vAy6S4f20WLHs45vvETMdvjqTM76aju0PzAelx1h2Q7AID4eTpjwGpKKSHBBKG2AhGy5RITL  
4jwzSS/b4Y=  
Received: by 10.86.78.4 with SMTP id a4mr5758350fgb.3.1206474835921;  
Tue, 25 Mar 2008 12:53:55 -0700 (PDT)  
Received: from xyzy ( [217.184.142.22])  
by mx.google.com with ESMTPS id 4sm8723222fge.  
3.2008.03.25.12.53.52  
(version=SSLv3 cipher=RC4-MD5); Tue, 25 Mar 2008 12:53:54 -0700  
(PDT)  
Message-ID: <01ce01c88eb2\$4dc8b060\$168eb8d9@xyzy>  
From: "Frank Ellermann" <hmdmhd f mhdj m zdtj m zdtz ktdk ztdj z@gmail.com>  
To: "Pasi Eronen" <pasi.eronen@nokia.com>,  
<iesg@ietf.org>  
References: <20080325174002.D1C9C28C2A6@core3.amsl.com>  
Subject: Re: DISCUSS and COMMENT: draft-ellermann-news-nntp-uri  
Date: Tue, 25 Mar 2008 20:56:20 +0100  
Organization: <http://purl.net/xyzy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="UTF-8"  
Content-Transfer-Encoding: quoted-printable  
X-Priority: 3  
X-MSMail-Priority: Normal  
X-Mailer: Microsoft Outlook Express 6.00.2800.1914

X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1914  
X-Mailman-Approved-At: Tue, 25 Mar 2008 16:13:30 -0700  
Cc: Lisa Dusseault <lisa@osafoundation.org>  
X-BeenThere: iesg@iesg.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.iesg.org>  
List-Unsubscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@iesg.org?subject=unsubscribe>>  
List-Archive: <<http://www.iesg.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@iesg.org>>  
List-Help: <<mailto:iesg-request@iesg.org?subject=help>>  
List-Subscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@iesg.org?subject=subscribe>>  
Sender: iesg-bounces@iesg.org  
Errors-To: iesg-bounces@iesg.org

Pasi Eronen wrote:

Hi, picking your comment first:

> I think Section 8.2 would be significantly improved by a short  
> explanation on why this DNS record should be added, and how new  
> software might benefit from its existence (given that it doesn't  
> exist today, no client uses it, right?).

Right. The simple truth is that I stumbled over RFC 3405, tried to figure out what DDDS actually is, and at the end came to the conclusion that there's no compelling reason to exclude NNTP from what HTTP / FTP / MAILTO are supposed to do within DDDS. =20

As you can guess I care about NetNews, and don't want NNTP to be ignored, and if somebody finds an application for DDDS and NNTP=20 the red tape nntp.uri.arpa. will be already cut.

As a concrete example one NNTP provider I know (news.clara.net) had a set of about ten servers for load balancing, often adding or removing host names, and there were situations when I had to bypass this load balancing. In theory DDDS could simplify this.

That's of course rather subjective, I've no good idea how to say this in the draft. RFC 3405 apparently states that registering a NAPTR together with the URI scheme is the normal way to do it, nntp: originally defined in RFC 1738 is a "grandfathered" case.

> The text should also explain why no corresponding DNS record is

> added for "news" scheme, especially given that the rest of the  
> document seems to say that using "news" is usually a better idea.

Proposal (to be inserted as prose at the end of chapter 8.2):

| DDDS (Dynamic Delegation Discovery System) allows to detect=20  
| services associated with a given URN or URI, for examples see=20  
| [RFC 3404]. Because 'news:' URIs unlike 'nntp:' URIs do not  
| necessarily indicate a specific host a DDDS NAPTR record=20  
| allowing to extract the <host> portion is only specified for  
| 'nntp:' URIs.

Would that help ? To some degree 'news:' and 'nntp:' overlap,  
and the idea of the Gilman drafts was to unify these schemes,=20  
unfortunately that runs into syntactical corner cases where it's  
not more obvious what's what (group, article, message-id, server).

Two different schemes as it was in RFR 1738 avoid these corner  
cases, but it's not necessary to duplicate everything, one DDDS  
record for 'nntp:' where it's guaranteed to work is good enough.

Similar, nobody wanted a new 'nntps:' scheme for the purpose of  
immediately deprecating it together with 'snews:', although it  
could in theory make sense based on the existing NNTPS port  
registration used for 'snews:'.

Does that make sense ? If you think the proposed text helps I'd  
also add [RFC 3404] to the informative references.

Frank

Return-Path: <iesg-bounces@iesg.org>  
X-Original-To: ietfarch-iesg-archive@core3.amsl.com  
Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 54D0428C8CF  
for <ietfarch-iesg-archive@core3.amsl.com>; Thu, 27 Mar 2008  
09:03:39 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: 2.582  
X-Spam-Level: \*\*  
X-Spam-Status: No, score=2.582 tagged\_above=-999 required=5 tests=  
[AWL=-0.177,

BAYES\_00=-2.599, FH\_RELAY\_NODNS=1.451, FROM\_LOCAL\_NOVOWEL=3.196,  
HELO\_MISMATCH\_ORG=0.611, RDNS\_NONE=0.1]  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTTP id 8QZDvzgTc2KX; Thu, 27 Mar 2008 09:03:34 -0700 (PDT)  
Received: from core3.amsl.com (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTTP id C8E1F3A6B03;  
Thu, 27 Mar 2008 09:03:34 -0700 (PDT)  
X-Original-To: tmdaiesg@core3.amsl.com  
Delivered-To: tmdaiesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTTP id B520C3A6DBA  
for <tmdaiesg@core3.amsl.com>; Thu, 27 Mar 2008 08:33:37 -0700  
(PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTTP id Mth4WLHjyXf3 for <tmdaiesg@core3.amsl.com>;  
Thu, 27 Mar 2008 08:33:37 -0700 (PDT)  
Received: from fg-out-1718.google.com (fg-out-1718.google.com  
[72.14.220.154])  
by core3.amsl.com (Postfix) with ESMTTP id A36373A6AED  
for <iesg@ietf.org>; Thu, 27 Mar 2008 08:33:36 -0700 (PDT)  
Received: by fg-out-1718.google.com with SMTP id 16so3522453fgg.41  
for <iesg@ietf.org>; Thu, 27 Mar 2008 08:31:12 -0700 (PDT)  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=gmail.com;  
s=beta;  
h=domainkey-signature:received:received:message-  
id:from:to:cc:subject:date:organization:mime-version:content-  
type:content-transfer-encoding:x-priority:x-msmail-priority:x-mailer:x-  
mimeole;  
bh=Vnv08ctQmzhtUjYcOMOB81C1PCH89hzM95WTpgHPwlo=;  
b=p7ISn1dFHU93FcM+DqPi1lGdu368eIU4DFj4wWx510c  
+L6Jr8wQp414VCForB3DjK1xWmt0FhLAYfCDc/jjeW+TbFa2eW0oK5zNVJkwpNC1Jh  
+NXeVitaG7Qipz3vGkNCP058RUYpkuXcX0MPu5V/PrUFlmEoy+xdX8Dt+Y5e1E=  
DomainKey-Signature: a=rsa-sha1; c=noews; d=gmail.com; s=beta;  
h=message-id:from:to:cc:subject:date:organization:mime-  
version:content-type:content-transfer-encoding:x-priority:x-msmail-  
priority:x-mailer:x-mimeole;  
b=tFcYnQjPNtThlILTBKE/ys5zwhUQSaUI1J0MyH+q1ljQAqgeyPpPyYyuJ8LpJo/  
E7le5RLdvdKMqqE3i7oLGhr5nbjuP0p05VJLY4IUpXYHpcMuKT5eLYZIXms4kBEs0Z  
+nAxCGf12bASoMOHmfiasZT87dj7awHJAtn3Ml0wtc=  
Received: by 10.86.90.2 with SMTP id n2mr925175fjb.66.1206631871959;  
Thu, 27 Mar 2008 08:31:11 -0700 (PDT)

Received: from xyzzy ( [217.184.142.16])  
by mx.google.com with ESMTPS id l19sm539791fgeb.  
0.2008.03.27.08.31.08  
(version=SSLv3 cipher=RC4-MD5); Thu, 27 Mar 2008 08:31:10 -0700  
(PDT)  
Message-ID: <00de01c8901f\$ed82d720\$108eb8d9@xyzzy>  
From: "Frank Ellermann" <hmdmhdhfmhdmzdtjmzdtzktkdztdjz@gmail.com>  
To: <lars.eggert@nokia.com>  
Subject: RFC 1738 in draft-ellermann-news-nntp-uri  
Date: Thu, 27 Mar 2008 16:33:35 +0100  
Organization: <http://purl.net/xyzzy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: quoted-printable  
X-Priority: 3  
X-MSMail-Priority: Normal  
X-Mailer: Microsoft Outlook Express 6.00.2800.1914  
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1914  
X-Mailman-Approved-At: Thu, 27 Mar 2008 09:03:33 -0700  
Cc: Lisa Dusseault <lisa@osafoundation.org>, iesg <iesg@ietf.org>  
X-BeenThere: iesg@iesg.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.iesg.org>  
List-Unsubscribe: <http://www.iesg.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@iesg.org?subject=unsubscribe>  
List-Archive: <http://www.iesg.org/mailman/private/iesg>  
List-Post: <mailto:iesg@iesg.org>  
List-Help: <mailto:iesg-request@iesg.org?subject=help>  
List-Subscribe: <http://www.iesg.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@iesg.org?subject=subscribe>  
Sender: iesg-bounces@iesg.org  
Errors-To: iesg-bounces@iesg.org

Hi, you wrote in  
<<https://datatracker.ietf.org/idtracker/draft-ellermann-news-nntp-uri/>  
com=  
ment/79280/>

> Section 1., paragraph 1:=20

>| This memo extracts the 'news' and 'nntp' URI schemes from it to  
>| allow that material to remain on standards track if [RFC1738]  
>| is moved to "historic" status.=20

> Discuss-discuss. Obsolete !=3D historic. The "Obsoletes: 1738 (if=20

> approved)" is clear, what remains unclear is whether this document=20  
> also wants us to move 1738 to historic. (And if yes, we need a=20  
> management item on that, and the sentence above needs to be=20  
> rephrased.)

The intro says "if". It is not yet possible to move RFC 1738=20  
to "historic", at least the 'file:' URI scheme still has to be  
extracted and updated. And 'ftp:' unless that is already  
covered in STD 66 (I can't tell at the moment).

There are other RFCs with normative RFC 1738 references which  
need to be updated, e.g., 'dict:' (RFC 2229, at that time the  
references were not split into normative and informative) and  
'mailto:' (RFC 2368, mailto-bis is not yet ready).

In essence any registered URI scheme older than RFC 2396 has  
to be checked for normative RFC 1738 references, and RFCs on  
<<http://www.fenron.com/~fenner/ietf/deps/index.cgi?dep=3D1738>>.

No missing "management item" yet, unfortunately.

Frank

Return-Path: <iesg-bounces@iesg.org>  
X-Original-To: ietfarch-iesg-archive@core3.amsl.com  
Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id CA00E28C49A  
for <ietfarch-iesg-archive@core3.amsl.com>; Thu, 27 Mar 2008  
11:18:54 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -1.028  
X-Spam-Level:  
X-Spam-Status: No, score=-1.028 tagged\_above=-999 required=5  
tests=[AWL=-0.591, BAYES\_00=-2.599, FH\_RELAY\_NODNS=1.451,  
HELO\_MISMATCH\_ORG=0.611, RDNS\_NONE=0.1]  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id 2Htbtn5jkAfw; Thu, 27 Mar 2008 11:18:53 -0700 (PDT)  
Received: from core3.amsl.com (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id DF6CF3A6CA4;  
Thu, 27 Mar 2008 11:18:53 -0700 (PDT)

X-Original-To: tmdaiesg@core3.amsl.com  
Delivered-To: tmdaiesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 8301328C39B  
for <tmdaiesg@core3.amsl.com>; Thu, 27 Mar 2008 11:18:52 -0700  
(PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id JoNzn-DmQISu for <tmdaiesg@core3.amsl.com>;  
Thu, 27 Mar 2008 11:18:51 -0700 (PDT)  
Received: from mgw-mx09.nokia.com (smtp.nokia.com [192.100.105.134])  
by core3.amsl.com (Postfix) with ESMTP id 20ADC28C240  
for <iesg@ietf.org>; Thu, 27 Mar 2008 11:18:51 -0700 (PDT)  
Received: from esebh106.NOE.Nokia.com (esebh106.ntc.nokia.com  
[172.21.138.213])  
by mgw-mx09.nokia.com (Switch-3.2.6/Switch-3.2.6) with ESMTP id  
m2RIILYV005377; Thu, 27 Mar 2008 13:18:32 -0500  
Received: from esebh102.NOE.Nokia.com ([172.21.138.183]) by  
esebh106.NOE.Nokia.com with Microsoft SMTPSVC(6.0.3790.3959);  
Thu, 27 Mar 2008 20:16:03 +0200  
Received: from vaebe104.NOE.Nokia.com ([10.160.244.59]) by  
esebh102.NOE.Nokia.com with Microsoft SMTPSVC(6.0.3790.3959);  
Thu, 27 Mar 2008 20:16:03 +0200  
X-MimeOLE: Produced By Microsoft Exchange V6.5  
Content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable  
Subject: RE: DISCUSS and COMMENT: draft-ellermann-news-nntp-uri  
Date: Thu, 27 Mar 2008 20:16:05 +0200  
Message-ID:  
<1696498986EFEC4D9153717DA325CB723450AC@vaebe104.NOE.Nokia.com>  
In-Reply-To: <01ce01c88eb2\$4dc8b060\$168eb8d9@xyzyzy>  
X-MS-Has-Attach:  
X-MS-TNEF-Correlator:  
Thread-Topic: DISCUSS and COMMENT: draft-ellermann-news-nntp-uri  
thread-index: Aci0sfrGR3Af55bRQ10gy3LcP050BQBgaLOQ  
References: <20080325174002.D1C9C28C2A6@core3.amsl.com>  
<01ce01c88eb2\$4dc8b060\$168eb8d9@xyzyzy>  
From: <Pasi.Eronen@nokia.com>  
To: <hmdmhdhfmhdmzdtjzdtzkdktztdjz@gmail.com>, <iesg@ietf.org>  
X-OriginalArrivalTime: 27 Mar 2008 18:16:03.0792 (UTC)  
FILETIME=[9E438D00:01C89036]

X-Nokia-AV: Clean  
Cc: lisa@osafoundation.org  
X-BeenThere: iesg@iesg.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.iesg.org>  
List-Unsubscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,  
                  <<mailto:iesg-request@iesg.org?subject=unsubscribe>>  
List-Archive: <<http://www.iesg.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@iesg.org>>  
List-Help: <<mailto:iesg-request@iesg.org?subject=help>>  
List-Subscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,  
                  <<mailto:iesg-request@iesg.org?subject=subscribe>>  
Sender: iesg-bounces@iesg.org  
Errors-To: iesg-bounces@iesg.org

Hi Frank,

I can't claim to fully understand DDDS either, but it seems that=20  
this part attempts to define some new functionality, not just=20  
moving text from RFC 1738 and fixing it.

In particular, if we introduce DDDS here, it seems that a client,  
when encountering an NNTP URI, would have two different ways  
it could proceed:

- It could just extract the server name, do A/AAAA lookup,=20  
and connect to the server (as all clients do today).
- It could do a DDDS lookup for the URI; the lookup for nntp.uri.arpa  
would point to some other NAPTR record (which the admin of  
nntpserver.example.com has to set up), which could lead to additional  
NAPTR/SRV records (which someone has to set up), and eventually A  
record.=20  
The client would then connect to the server.

The latter procedure might actually be a good idea, and worth  
exploring further, but IMHO actually getting it deployed in  
interoperable fashion in NNTP clients and servers would need=20  
slightly more text than just IANA registration. And I'm not=20  
sure if that text belongs in this document.

But if someone more familiar with DDDS has a different opinion,  
I'm open to hearing that...?

Best regards,

Pasi=20

> -----Original Message-----

> From: ext Frank Ellermann=20

> [mailto:hmdmhdhfmhdmzdtjzdtzktkdztdjz@gmail.com]=20

> Sent: 25 March, 2008 21:56

> To: Eronen Pasi (Nokia-NRC/Helsinki); iesg@ietf.org

> Cc: Lisa Dusseault

> Subject: Re: DISCUSS and COMMENT: draft-ellermann-news-nntp-uri=20

>=20

> Pasi Eronen wrote:

>=20

> Hi, picking your comment first:

>=20

> > I think Section 8.2 would be significantly improved by a short  
> > explanation on why this DNS record should be added, and how new  
> > software might benefit from its existence (given that it doesn't  
> > exist today, no client uses it, right?).

>=20

> Right. The simple truth is that I stumbled over RFC 3405, tried  
> to figure out what DDDS actually is, and at the end came to the  
> conclusion that there's no compelling reason to exclude NNTP from  
> what HTTP / FTP / MAILTO are supposed to do within DDDS. =20

>=20

> As you can guess I care about NetNews, and don't want NNTP to be  
> ignored, and if somebody finds an application for DDDS and NNTP=20  
> the red tape nntp.uri.arpa. will be already cut.

>=20

> As a concrete example one NNTP provider I know (news.clara.net)  
> had a set of about ten servers for load balancing, often adding  
> or removing host names, and there were situations when I had to  
> bypass this load balancing. In theory DDDS could simplify this.

>=20

> That's of course rather subjective, I've no good idea how to say  
> this in the draft. RFC 3405 apparently states that registering  
> a NAPTR together with the URI scheme is the normal way to do it,  
> nntp: originally defined in RFC 1738 is a "grandfathered" case.

>=20

> > The text should also explain why no corresponding DNS record is  
> > added for "news" scheme, especially given that the rest of the  
> > document seems to say that using "news" is usually a better idea.

>=20

> Proposal (to be inserted as prose at the end of chapter 8.2):

>=20

> | DDDS (Dynamic Delegation Discovery System) allows to detect=20

> | services associated with a given URN or URI, for examples see=20

> | [RFC 3404]. Because 'news:' URIs unlike 'nntp:' URIs do not  
> | necessarily indicate a specific host a DDDS NAPTR record=20  
> | allowing to extract the <host> portion is only specified for  
> | 'nntp:' URIs.  
>=20  
> Would that help ? To some degree 'news:' and 'nntp:' overlap,  
> and the idea of the Gilman drafts was to unify these schemes,=20  
> unfortunately that runs into syntactical corner cases where it's  
> not more obvious what's what (group, article, message-id, server).  
>=20  
> Two different schemes as it was in RFR 1738 avoid these corner  
> cases, but it's not necessary to duplicate everything, one DDDS  
> record for 'nntp:' where it's guaranteed to work is good enough.  
>=20  
> Similar, nobody wanted a new 'nntp:' scheme for the purpose of  
> immediately deprecating it together with 'snews:', although it  
> could in theory make sense based on the existing NNTPS port  
> registration used for 'snews:'.  
>=20  
> Does that make sense ? If you think the proposed text helps I'd  
> also add [RFC 3404] to the informative references.  
>=20  
> Frank  
>=20

Return-Path: <iesg-bounces@iesg.org>  
X-Original-To: ietfarch-iesg-archive@core3.amsl.com  
Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id A24D028C70C  
for <ietfarch-iesg-archive@core3.amsl.com>; Thu, 27 Mar 2008  
11:38:39 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -1.642  
X-Spam-Level:  
X-Spam-Status: No, score=-1.642 tagged\_above=-999 required=5 tests=  
[AWL=0.956,  
BAYES\_00=-2.599, STOX\_REPLY\_TYPE=0.001]  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id JDdk5-qwB5mC; Thu, 27 Mar 2008 11:38:39 -0700 (PDT)  
Received: from core3.amsl.com (localhost [127.0.0.1])

by core3.amsl.com (Postfix) with ESMTP id 444583A6938;  
Thu, 27 Mar 2008 11:38:05 -0700 (PDT)  
X-Original-To: tmdaiesg@core3.amsl.com  
Delivered-To: tmdaiesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 03E203A6870;  
Thu, 27 Mar 2008 11:38:03 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id Gt1ZH+bdppTW; Thu, 27 Mar 2008 11:37:59 -0700 (PDT)  
Received: from mout.perfora.net (mout.perfora.net [74.208.4.195])  
by core3.amsl.com (Postfix) with ESMTP id 9F7923A6AED;  
Thu, 27 Mar 2008 11:37:59 -0700 (PDT)  
Received: from s73602 (cpe-72-190-0-23.tx.res.rr.com [72.190.0.23])  
by mrelay.perfora.net (node=mrus1) with ESMTP (Nemesis)  
id 0MKpCa-1Jewwp0Th4-0000P2; Thu, 27 Mar 2008 14:35:39 -0400  
Message-ID: <002d01c89039\$3a6da920\$6401a8c0@china.huawei.com>  
From: "Spencer Dawkins" <spencer@wonderhamster.org>  
To: "The IESG" <iesg@ietf.org>  
References: <20080326215419.A24DC28C580@core3.amsl.com>  
Subject: DRAFT Narrative Minutes for March 27, 2008 Telechat  
Date: Thu, 27 Mar 2008 13:34:39 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; format=flowed; charset="utf-8"; reply-  
type=original  
Content-Transfer-Encoding: 7bit  
X-Priority: 3  
X-MSMail-Priority: Normal  
X-Mailer: Microsoft Outlook Express 6.00.2900.3138  
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.3198  
X-Provags-ID: V01U2FsdGVkX1+PjT0yedRxxgR0g20eXo71iPOYt/oI/HiYd8u  
BMEvCSKcRPNY/+4leQ12kQrKJE1UcZht8nAeWXZAv857owtzWR  
8cLnmyjtYG4LbNd/KZ3RvS6E8zJ6fmNZLgi0e1n+sA=  
Cc: avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org  
X-BeenThere: iesg@iesg.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.iesg.org>  
List-Unsubscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@iesg.org?subject=unsubscribe>>  
List-Archive: <<http://www.iesg.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@iesg.org>>  
List-Help: <<mailto:iesg-request@iesg.org?subject=help>>  
List-Subscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,

<mailto:iesg-request@iesg.org?subject=subscribe>  
Sender: iesg-bounces@iesg.org  
Errors-To: iesg-bounces@iesg.org

Corrections solicited as always...

Please note especially - my home lost power at the very end of draft-ietf-nsis-ntlp-15.txt, which dropped my phone connection. Anything you can provide during my couple of minutes "blacked out" would be really helpful!

Thanks,

Spencer

INTERNET ENGINEERING STEERING GROUP (IESG)  
Narrative Minutes for the March 27, 2008 IESG Teleconference

Narrative Scribe: Spencer Dawkins <spencer@wonderhamster.org>

## 1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda

No changes to the agenda

## 1.3 Approval of the Minutes

2008 03 06 Minutes approved with no changes.

2008 03 06 Narrative minutes to be provided by Marc Blanchet.

## 1.4 Review of Action Items

o Sam Hartman to write a draft explanation of informational balloting. - done

o Lars Eggert to find primary and secondary experts for Port Numbers. - in progress

Lars - tied in with other port stuff - assign them now? or when we have guidelines documented?

Michelle - can assign them now.

o Cullen Jennings to develop a policy statement on how to handle errata.  
-

Cullen - still in progress, will send out a draft soon.

o Cullen Jennings to develop suggestions for tool changes for errata processing.

Cullen - still in progress, will send out a draft soon.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-mipshop-fmipv6-rfc4068bis-06.txt  
Mobile IPv6 Fast Handovers (Proposed Standard) - 1 of 4  
Note: Document Shepherd is Vijay Devarapalli  
Token: Jari Arkko

Jari - this is PS, do we have enough votes (with DISCUSSES resolved)?  
Yes.

Expert reviews have been very helpful, have so many DISCUSSES because documents are so interesting. Changes from previous RFC from experiment is going to get documented.

Dan - more general issue here. This is my first Experimental -> PS draft as

AD. Provide guidelines about how much information is present? Think Lisa had similar comment. Perhaps we should create shared knowledge.

Jari - wish I knew more about the results of the experiments. Have been implementations, think there have been interop tests, but security in previous RFC was impossible except for a toy network - that's what being fixed now.

Lisa - improvement may not be justification for PS - would we recommend this when people do MIP6?

Jari - fair amount of interest, people working on it, deserves to be PS based on scrutiny of this draft compared to other PSes. PS doesn't mean

"always recommend you do this".

Lisa - if we always recommend it, should be PS. Not saying it should NOT be

PS if we don't recommend it generally.

Jari - this is the only thing that makes you go really fast, if you want to go really fast.

Cullen - no one I'm aware of who's doing voice calls is hot to implement this.

Lisa - can applications do this?

Jari - sure, but then we're talking about doing mobility at a different layer.

Lisa - but then you wouldn't have to standardize this. Choice is unilateral, doesn't require interop testing. Not saying this should block the document, just something to understand.

Jari - this is particular approach at IP layer, helping handover. Will have words from the author on experiment results. Have three people holding essentially the same DISCUSS - could be simplified. Sent e-mail before the call on status. Lisa's DISCUSS would be handled when we get the text, Lars maybe the same. Russ's DISCUSS is mostly in RFC Editor notes now. Tim's DISCUSS is valid and should be addressed. Dave's DISCUSS will be addressed.

Tim - mandatory-to-implement, authors aren't convinced, and they haven't convinced me - no basis for interop with so many options. What's your view here?

Jari - had bigger reasons previously, IKEv2 solved a lot of these issues.

How much should we be looking inside the IKEv2 spec? How much are we overriding? Would like recommendation, don't care what it is, would increase interop. But what if IKEv2 spec says something else?

Tim - will go back and look at this as well.

Jari - eager to resolve this. If we always use EAP, we'd make that MUST, but if it's one of the other two, we'd have to do something else. Should I be working on something besides experimental results?

(no answers)

- o draft-ietf-netlmm-proxymip6-11.txt  
Proxy Mobile IPv6 (Proposed Standard) - 2 of 4  
Note: Document Shepherd is Jonne Soininen  
Token: Jari Arkko

Michelle - didn't get an evaluation note on this, either on IESG list or ticketing system.

Russ - automatically sent when you issue the ballot.

Document was DEFERred (minutes ago)

- o draft-ietf-netconf-notification-12.txt  
NETCONF Event Notifications (Proposed Standard) - 3 of 4  
Token: Dan Romascanu

Dan - clarification question on Pasi's DISCUSS - no precedent for HTTP URL within IANA section?

Pasi - grepped over last 1000 RFCs, none had HTTP URLs.

Dan - is this an IANA problem?

Pasi - W3C has been using HTTP URLs instead of URNs and getting lots of attempts to retrieve DTDs (which they don't need).

Cullen - Chris and I have commented on this - it's a previous problem, previously discussed. Usually resolved by making it a URN (or something else).

Dan - agree there's no reason this has to be an HTTP URI, will check with authors about why they used HTTP URI.

Cullen - fair enough.

Dan - rest of comments are fine, Revised ID needed for another iteration.

o draft-ietf-rohc-rfc3095bis-rohcv2-profiles-06.txt  
Robust Header Compression Version 2 (ROHCv2): Profiles for RTP, UDP,  
IP,  
ESP and UDP Lite (Proposed Standard) - 4 of 4  
Token: Magnus Westerlund

Magnus - most of you have seen e-mails about this in last hour...  
starting  
with David. Framework is expected reading.

Dave - but it's mentioned in one place in the document. Is it that much  
work  
to add a clarifying sentence?

Magnus - framework document could have been clearer, this just isn't the  
right place to clarify.

Dave - but I wasted my time and there's only one sentence that clarifies  
what to do.

Magnus - will rev framework document anyway

Dave - let's handle it that way - I'll clear.

Jari - saw response 30 seconds ago, haven't read the previous e-mail on  
"supercedes vs obsoletes". May be making the right choice.

Magnus - working group has discussed, don't want to obsolete this.

Cullen - current v1 implementers (except one) don't expect to implement  
v2.

Jari - v6 headers are different. Realize that everything comes out zero  
lengths, but don't understand why you're treating these the same.  
They're  
different.

Magnus - realize, but field headers need to be there.

Jari - fields don't match - flow labels, etc.

Magnus - please respond to the author then.

Jari - didn't get inner/outer LIPID

Magnus - if you have tunneling, you don't know how many flows you have in the tunnel, inner headers will look random, so can't compress easily. Always assume it's random.

Jari - ah - assigning sequential behavior to outer header.

Magnus - inner flows will be sequential, outer flows will be random

Jari - what about multiple tunneling levels?

Magnus - would have different contexts

Jari - doesn't make sense to discuss on this call - will followup.

Magnus - authors have proposed text for Pasi's DISCUSS

Pasi - this came as a surprise to other people - start out secure but introduce security hole with RoHC.

Magnus - packet loss will give you similar behavior in extreme conditions.

Pasi - RoHC will change/break certain guarantees

Magnus - not sure how to fix this/if it can be fixed, just need to be aware of this

Pasi - did fix this in IPsec - did MAC on both compressed and uncompressed contents.

Magnus - layer below RoHC needs to handle this (if you have requirements).

Pasi - will reply to authors and make sure this gets handled.

Tim - I just cleared, explanation was fine. Was surprised that text had disappeared, but authors explained why.

### 2.1.2 Returning Item

- o draft-ietf-imaext-sort-20.txt

INTERNET MESSAGE ACCESS PROTOCOL - SORT AND THREAD EXTENSIONS

(Proposed

Standard) - 1 of 3

Token: Lisa Dusseault

Lisa - author has 27 votes and has gone through 3 ADs, but would like Lars

to hold his DISCUSS for IANA

Lars - weird that IANA note covered half the information

Michelle - checking this now...

- o draft-ietf-nsis-ntlp-15.txt

GIST: General Internet Signalling Transport (Proposed Standard) - 2 of 3

Note: WG Shepherd: John Loughney (john.loughney@nokia.com).

Abstainers

please re-review your motivations in regards to the updated version.

Token: Magnus Westerlund

Pasi - wondering whether to ABSTAIN, no proposed objections to the document.

Magnus - need to launch this document somehow, hoped that ABSTAINers would

check the new version.

Lisa - has document changed in last year?

Magnus - don't think new version will change RTG AD views, but can't remember Lisa's.

Lisa - was pretty general ABSTAIN because I didn't think the document could

be fixed. Haven't refreshed state on this one.

Ron - this was a very big document in page count and content. Needed to address motivation for this.

Magnus - but this is why NSIS got chartered at all - would be used in contexts other than QoS. Was chartered to do RSVP-lite, but became heavier

than most people wanted. Was to develop generalized solution - clear

from  
the charter.

Ron - could document explain this? Also - machinery is big and complex  
and  
document has so many words that I couldn't build anything from the spec.

Magnus - then why do we have 6 interoperating implementations?

Ron - from the document or from talking to other implementers.

Magnus - at least some are from the document. Other protocols are much  
worse. Why-NSIS is in the architecture document, published several years  
go.

Cullen - have read the documents and played with the implementations,  
don't  
see how NAT traversal works as documented.

Ron - would it help to do an informal call (as SHIM6) and let you  
convince  
us?

Magnus - very similar to SHIM6.

Russ - yes, don't have time to do that on this call. Next week or three  
weeks.

Lars - working group and authors have done massive revision, it's not a  
quick edit. Not convinced ABSTAINing ADs have given this version enough  
review. Shouldn't have let WG spin their wheels if we weren't going to  
seriously look at it. Document is required for everything in NSIS. If we  
kill this, we kill NSIS. That's fine, but we should have said something  
six  
months ago. "Can't fix" is pretty general. Working group has outlived  
its  
chartered environment and charged on unsupervised for a couple of years,  
now  
has something that is great for the working group and the rest of us  
don't  
get it. If we kill NSIS, we should kill other stuff.

Pasi - would ballot NO-OBJ if it's experimental (several echoes hear)

Lars - what's the experiment? This is purely the transport part, not  
about

the signaling applications.

000000000000 sorry - scribe lost power here 0000000000000000000000

- o draft-ietf-mip6-hiopt-11.txt

- DHCP Options for Home Information Discovery in MIPv6 (Proposed Standard) - 3 of 3

- Note: Document Shepherd is Basavaraj Patil

- Token: Jari Arkko

Lars - pretty good chance new version would address my DISCUSS

Jari - agree with Dave's comment, you'll get an answer.

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-ellermann-news-nntp-uri-10.txt

- The 'news' and 'nntp' URI Schemes (Proposed Standard) - 1 of 1

- Token: Lisa Dusseault

Lisa - RFC 1738 isn't ready to go Historic yet, this is just one step.

Jari - I'll clear, I just wasn't sure.

Lisa - Frank is submitted text for Tim, also will address Chris

Pasi - document also uses real domain names.

Lisa - agree with Pasi

Chris - document is using example.com some places, but it's appropriate to

point to real URLs if you're showing something on the Internet. It's in appendix, not normative, probably fairly stable since it's a large archive site.

Jari - if no one will resolve it, should be example TLD. If it is, should be asking site if it's going to be stable.

Chris - not needed to implement the spec.

Lisa - resolved by a person, not an automated program.

Cullen - heard that one before... could delete this and still implement. Didn't comment on this, don't care.

Chris - feel pretty strongly that we should be able to use URLs in specifications when it's appropriate. Understand threat of automated processes adding load, although I think that's overblown. Agree you could delete appendix.

Lisa - "example as of 2008?"

Chris - fine with me

Pasi - works for me

Cullen - if this had my domain name, I'd object. Works for me, don't care, we use URLs in references all the time.

Lisa - will mention getting approval from domain name holder to Frank.

#### 2.2.2 Returning Item

- o draft-narten-iana-considerations-rfc2434bis-09.txt

- Guidelines for Writing an IANA Considerations Section in RFCs (BCP)

- 1

- of 1

- Token: Russ Housley

Russ - Mark wasn't happy with Thomas's notes?

Mark - you have one RFC editor task. I responded, it's one word, but it's a cut-and-paste error and it's significant - just making sure it gets fixed.

(Mark cleared later in the telechat)

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item

- o draft-ietf-mipshop-3gfh-05.txt

- Mobile IPv6 Fast Handovers for 3G CDMA Networks (Informational) - 1

- of 4

- Note: Document Shepherd is Vijay Devarapalli

Token: Jari Arkko

Jari - Michelle, asking about informational document taking out two entries from standards-action registry, but this registry also allows Informational (neighbor discovery)

Michelle - review was looking at something that specified standards-track.

Jari - IANA actions were confusing (also to Gen-ART). Will fix in version 06.

Jari - Lars was concerned that other RFC will be PS and this is Informational. Have exchanged e-mail.

Lars - understand your point. WG has approved this, so it's not some random Informational, but we don't have guidance here. This was DISCUSS-DISCUSS. Document looks like specification, uses these bits, but it's Informational - why?

Jari - not on standards track because it started out as "using foo with bar" - added bits later, hasn't gotten enough review to justify standards track. Link layer guys aren't interested and aren't engaged.

Lars - then why are we using one of 8 bits for something that won't be used?  
Uncomfortable with casual allocation of 1 bit out of 8.

Jari - similar to other situations - neighbor discovery, did run out, recently defined extension option, don't see the problem, don't see lots of uses for remaining bits.

Cullen - why not have base spec reserve bit for informational document? they're going through at the same time ("informative reference to other document")

Jari - this is the document that's using the bit.

Cullen - we usually update the defining RFC - assume this would have to be  
PS to update a PS.

Lars - will put DISCUSS on behalf of IANA

Lars - need pointer to some 3GPP spec explaining use of these bits

- o draft-ietf-ccamp-gmpls-mln-eval-05.txt  
Evaluation of existing GMPLS Protocols against Multi Layer and Multi  
Region Networks (MLN/MRN) (Informational) - 2 of 4  
Token: Ross Callon

Ross - don't need to DISCUSS today, already in e-mail exchange with  
authors.

- o draft-ietf-ccamp-gmpls-mln-reqs-08.txt  
Requirements for GMPLS-Based Multi-Region and Multi-Layer Networks  
(MRN/MLN) (Informational) - 3 of 4  
Token: Ross Callon

Ross - same as previous document, also revised ID needed.

- o draft-ietf-llvpn-applicability-basic-mode-04.txt  
Applicability Statement for Layer 1 Virtual Private Networks  
(L1VPNs)  
Basic Mode (Informational) - 4 of 4  
Token: David Ward

Dave - Tim is right, something needs to be cleared up in those sections.

Mark - revised ID needed, if you take the COMMENTS that I almost made  
into a  
DISCUSS :-)

3.1.2 Returning Item  
NONE

3.2 Individual Submissions Via AD

3.2.1 New Item

- o draft-ogier-ospf-dbex-opt-03.txt  
OSPF Database Exchange Summary List Optimization (Informational) - 1  
of  
1

Token: David Ward

Jari - Informational document that changes behavior of OSPF, which is a full standard. Very happy with document, why not PS?

David - no interest in the working group to actually write the code

Ross - no implications for bits on the wire, you just send fewer

Mark - decision to go PS isn't based on implementations

David - was discussed in WG

Magnus - procedural error

Jari - should be able to do this, but it should be noted

Ross - updating informative text in a full standard, that's why it's not standards-track

David - not sure how to proceed here. No change to bits on the wire....

Mark - why publish at all?

David - it's interesting information.

Jari - this changes what "Update" header means.

Ross - observes that there is some content in original specification that isn't required.

Tim - claim that it DOESN'T update, because change is invisible to peers?  
Peer can't tell if you've implemented the optimization. Complimentary, add-on, but not an update?

Magnus - but if I extend and require a PS extension, that's fine, if I require an informational extension, that's broken. That's why we shouldn't be mucking with standards track definitions.

Lari - what if it was a PS updating a full standard - same thing?

Magnus - but it's standards-track

Ross - can imagine Experimental extension to standards track

Magnus - but that isn't changing standards-track behavior, this would be

Dave - understand the concern, but now all implementations would interoperate fully.

Russ - then I don't see the problem

Mark - but I see the other point, if you change behavior that won't change anything, you don't have anyone writing the code, you don't know what's coming down the pike next, you're setting yourself up for trouble.

Ross - safer to write it down

Mark - if you have code for it

Ron - now we're discussing routing protocol document criteria

Mark - but they're the same as any other documents. If no one has interest in writing code, don't see compelling reason to document.

Magnus - and people would be fine publishing at PS - don't get the counterargument for Informational.

David - but we have requirement for implementation to publish OSPF documents at PS, and we don't have anyone planning to implement. Doesn't change table size, doesn't change time to converge. Just sends fewer bits and reduces CPU overhead during refresh.

Mark - getting yourself wrapped around dogma here. IETF consensus is that RTG area as a whole isn't "special". WGs can have special requirements on individual documents, but we've used exceptions before (4-byte AS). When you have significant changes to OSPF, require implementations for PS, but this is an insignificant change.

David - started out at EXP, went INFO.

Mark - that's broken, too.

David - protocol experts said no reason to experiment.

Mark - then make it PS. Whole point is to make sure you haven't broken anything - consensus is that you've already looked at this.

Ross - OK with PS or INFO. Leaning towards INFO because it's completely backwards-compatible.

Mark - at least two ADs are sticking Dave here. Fundamental problem is that WG thinks code is required and INFO is "get out of jail free".

David - but that's what Bill and Alex wrote.

Ross - they allowed WG-specific procedures.

Magnus - WG thought could update standards-track documents as INFO - broken.

Jari - what can I do to make this document go forward? If I remove, will someone else add one?

Magnus - seriously considering that....

Russ - AD-sponsored?

David - let me talk to the WG chairs, we can probably go PS.

Russ - does need to be re-last called.

Mark - just looked at Bill/Alex document, OBSOLETEs previous requirement for implementation and INFO doesn't appear (except as document status) - anyway, we can go offline.

### 3.2.2 Returning Item

NONE

### 3.3 Independent Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG

<X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for Approval

NONE

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

- o Multiparty Multimedia Session Control (mmusic) - 1 of 1

Token: Cullen Jennings

Cullen - changed text is mostly about ICE work concerns. Most other concerns have been resolved. Want to talk about getting the ICE stuff right. Are TSV ADs ok with current version of charter?

(Lars phone crashed - we talked later in the call)

Magnus - fine with that text.

Lars - for the time being, we leave ICE in MMUSIC.

Cullen - just to move forward. Remember, all we're doing is approving text going out for comments.

Lars - fine.

Cullen - we have an RTSP/SIP/IPTV thing coming up too, not dealing with this

now.

Amy - Will go for external review with new text from Cullen.

#### 4.2.2 Proposed for Approval

NONE

#### 5. IAB News We can use - Loa

We are preparing the retreat

We had a good tech chat yesterday (on time, by Peter Lothberg), it resulted in an action item, exchanging IETF contacts with people working with time (Peter to write a proposal).

Olaf - IETF has received strange request from UN via ISOC asking for annual report on improved cooperation. Quite unexpected, publicly viewable so you may get questions. ISOC looking at whether there are political considerations in play and what W3C and similar groups are doing in response. Most likely action is that ISOC will point to our liaison page in May or June, pointing out that we have an open process and play well with others.

[http://wiki.tools.isoc.org/Policy\\_Activities/UN\\_report\\_request](http://wiki.tools.isoc.org/Policy_Activities/UN_report_request)  
[[http://wiki.tools.isoc.org/Policy\\_Activities/UN\\_report\\_request](http://wiki.tools.isoc.org/Policy_Activities/UN_report_request)]

#### 6. Management Issue

6.1 Updating media registration for audio/3gpp and video/3gpp (Magnus Westerlund)

Magnus - we're actually moving back change control to 3gpp, so moving registrations to historic.

Cullen - RFC 3839 was standards track - need this to be a draft?

Chris - if you move to Historic, you can do that with Last Call (but you do need a Last Call).

Cullen - this was very contentious and people thought it wasn't appropriate - it's a container type. That's why it got wider review - it didn't meet our guidelines. Totally agree we need this update, questioning whether this is the right way to do the update. Should be someone who can write the 3-page draft... Change control for some items stays with IESG, right? And this should be the APP ADs, not the TSV ADs... Just republish the old document pointing to the right place and you'd be done - consistent with what we did with 3GPP2, etc.

Magnus - goal was to have SDOs procedures in the same document.

Cullen - true. I hadn't thought about that.

Magnus - wasn't sure we required Last Call for Historic

Chris - stable reference?

Magnus - is to another SDO's specification.

Chris - to a dated version, guarantee stable? as long as they don't re-release with the same name, that's what's needed.

Magnus - do need to talk about how we track their changes

Cullen - think this requires IESG approval of changing IANA considerations

Loa - have same issue with ITU-T - they re-use recommendation names.

Russ - we now point to recommendation-year.

Magnus - need to have a discussion about this.

Chris - can't approve this management item now. Would be OK if we replace the RFC, but if you look at IANA registry, the RFC IS the current template. You want IANA to put current 3GPP text in registry? Don't think we've done that before.

Magnus - yes, we have.

Michelle - if we have registration through a document, we point to the document.

Chris - I think we only use the template if there's no RFC

(some during-telechat poking around through the registries looking for templates and pointers in registries)

Chris - not insisting that this change goes through a new RFC - although that may be the quickest way.

## 6.2 TMDA (Russ Housley)

Russ - Working group chairs want this back, we never had a policy about TMDA  
in the IESG statements about spam, want to get this back quickly, should mention this in the policy.

Chris - don't see any rules that would prohibit this.

Russ - people working on mail think current spam policy prohibits TMDA - there's more than one policy.

Cullen - think Sam was the one who had input about this, but we did it anyway. We had 10,000 messages in some queues, that would never be processed.

Chris - every queue I moderate has a different password, substandard

Cullen - tools are so poor they don't get used, knowledgeable e-mail people  
say TMDA is evil, chairs say they are drowning....

Russ - could Chris look at current spam policies to see what's needed to allow TMDA opt-in?

Chris - thought that might coming....

## 6.3 Expedited publishing for draft-ietf-rohc-rfc3095bis-rohcv2-profiles (Magnus Westerlund)

Magnus - Have 3GPP agreement to point to this specification if it's approved  
in time (and date is really short-timeframe). Draft wasn't approved today

but expect approval in a few days.

(Several ADs said "works for me").

#### 6.4 IESG Retreat Location (Russ Housley)

Two camps plus silent people re: downtown vs jersey shore.

Ross - prefer NJ and can go either way.

Ron - compromise in Jersey City, etc. so it's cheap to get around?

Jon - but they're pretty wretched.

Cullen - we need to decide pretty soon, people are making travel arrangements

Russ - hearing silence while trying to create a compromise. People said they didn't want to have to move far when changing meetings (to NANOG).

Dan - if I'm in the rough, I can adapt. Can't afford the rate for more than one night, but can stay with friends.

Jari - don't care where we are as long as we can get there from the airport in a reasonable way.

Alexa - nothing special about any locations, but we can definitely go to New Jersey - but we'll lose the Hilton if we don't commit.

Ross - does \$350/night at the Hilton include everything?

Alexa - none of the Manhattan locations include food, ones in the suburbs would ...

Tim - we had distances but not travel information for these properties

Russ - does anyone object to going to the Hilton New York for the retreat?  
No objections

#### 7. Agenda Working Group News

Jari Arkko

- Pasi's discuss suggested it would be appropriate to support multiple prefixes because that's the way IPv6 works, but there's WG pushback. Thinking we should do it - does anyone else have opinions? (Anyone left on the call?)

- Pasi - good to have document that provides requirements for access networks that use IPv6, and this really requires multiple addresses and prefixes. 3GPP fixed their specs, not completely. Other SDOs also specifying "IPv6-lite", and multiple prefixes gets left out often. Breaks SHIM6, breaks some parts of Mobile IP... Also IPv6 address allocation guidelines aren't clear on whether prefixes are /56 or /58, but other SDOs are doing just /64s, and this is getting hard-coded in lots of places - will be difficult to fix later.

- Jari - document name is rfc3177bis, lots of history you may not have seen with other address allocation bodies.

- Pasi - concern is that people will continue to NAT home networks because providers don't provide proper allocations, etc.

- Jari - also some IETF things we need to get right. Any comments on NetLMM question? None, so will require change to be done.

Lisa Dusseault

- IDN proposed working group - lots of discussion and changes, not happy because changes won't help working group move faster - important to scope the work, but other discussions aren't helping. Design team doesn't agree on everything, which is true but normal. Just send out for external review before telechat?

- Russ - makes sense given amount of change. External review and then telechat. Vint is still on board to chair and engaging the working

group.

Pasi Eronen

- have received two charter proposals for IPsec maintenance group people want to set up.
- Jari - people were against this. Have they changed their minds?

Chris Newman

- LTRU - JFC has PR action, but everyone believes he's posting under another identity. BCP says you can block another e-mail address, but how to know it's the same person who is covered by the PR-action? Proposed ad hoc mechanism, chair has proposed on list and implemented, expecting appeal.
- Russ - LB says he won't do anything to prove his identity and won't appeal. Still might get ugly, but there you have it.
- Cullen - had similar situation where person wasn't willing to have a phone call, and postings ended.
- Ron - should probably mention phone calls as an option in BCP
- Russ - is purposely vague
- Chris - impressively vague - Marshall knew what he was doing

Magnus Westerlund

- closed MIDCOM (at least one "yahoo" happened here)

Return-Path: <iesg-bounces@iesg.org>

X-Original-To: ietfarch-iesg-archive@core3.amsl.com

Delivered-To: ietfarch-iesg-archive@core3.amsl.com

Received: from localhost (localhost [127.0.0.1])

by core3.amsl.com (Postfix) with ESMTP id 377D328C3B4

for <ietfarch-iesg-archive@core3.amsl.com>; Fri, 28 Mar 2008

12:55:42 -0700 (PDT)

X-Virus-Scanned: amavisd-new at amsl.com

X-Spam-Flag: NO

X-Spam-Score: -0.877  
X-Spam-Level:  
X-Spam-Status: No, score=-0.877 tagged\_above=-999 required=5  
tests=[AWL=-0.137, BAYES\_20=-0.74]  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id vWj450-a7xnn; Fri, 28 Mar 2008 12:55:42 -0700 (PDT)  
Received: from core3.amsl.com (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 1EBB028C0EF;  
Fri, 28 Mar 2008 12:55:42 -0700 (PDT)  
X-Original-To: tmdaiesg@core3.amsl.com  
Delivered-To: tmdaiesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 925483A6D29  
for <tmdaiesg@core3.amsl.com>; Fri, 28 Mar 2008 12:55:41 -0700  
(PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id 2ALX2nFDgBXe for <tmdaiesg@core3.amsl.com>;  
Fri, 28 Mar 2008 12:55:36 -0700 (PDT)  
Received: from woodstock.binhost.com (woodstock.binhost.com  
[8.8.40.152])  
by core3.amsl.com (Postfix) with SMTP id DF8103A6CA3  
for <iesg@ietf.org>; Fri, 28 Mar 2008 12:55:26 -0700 (PDT)  
Received: (qmail 17126 invoked by uid 0); 28 Mar 2008 19:55:19 -0000  
Received: from unknown (HELO THINKPADR52.vigilsec.com) (72.83.129.167)  
by woodstock.binhost.com with SMTP; 28 Mar 2008 19:55:19 -0000  
X-Mailer: QUALCOMM Windows Eudora Version 7.1.0.9  
Date: Fri, 28 Mar 2008 15:55:23 -0400  
To: "Spencer Dawkins" <spencer@wonderhamster.org>  
From: Russ Housley <housley@vigilsec.com>  
Subject: Re: DRAFT Narrative Minutes for March 27, 2008 Telechat  
In-Reply-To: <002d01c89039\$3a6da920\$6401a8c0@china.huawei.com>  
References: <20080326215419.A24DC28C580@core3.amsl.com>  
<002d01c89039\$3a6da920\$6401a8c0@china.huawei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed  
Message-Id: <20080328195526.DF8103A6CA3@core3.amsl.com>  
Cc: avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org,  
iesg@ietf.org  
X-BeenThere: iesg@iesg.org  
X-Mailman-Version: 2.1.9  
Precedence: list

List-Id: <iesg.iesg.org>  
List-Unsubscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,  
                  <<mailto:iesg-request@iesg.org?subject=unsubscribe>>  
List-Archive: <<http://www.iesg.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@iesg.org>>  
List-Help: <<mailto:iesg-request@iesg.org?subject=help>>  
List-Subscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,  
                  <<mailto:iesg-request@iesg.org?subject=subscribe>>  
Sender: iesg-bounces@iesg.org  
Errors-To: iesg-bounces@iesg.org

Spencer:

Nice job as always.

>INTERNET ENGINEERING STEERING GROUP (IESG)  
>Narrative Minutes for the March 27, 2008 IESG Teleconference  
>  
>Narrative Scribe: Spencer Dawkins <[spencer@wonderhamster.org](mailto:spencer@wonderhamster.org)>  
>  
>1. Administrivia  
>  
>  1.1 Roll Call  
>  1.2 Bash the Agenda  
>  
>No changes to the agenda  
>  
>  1.3 Approval of the Minutes  
>  
>2008 03 06 Minutes approved with no changes.  
>  
>2008 03 06 Narrative minutes to be provided by Marc Blanchet.  
>  
>  1.4 Review of Action Items  
>  
>o Sam Hartman to write a draft explanation of informational balloting.  
- done  
>  
>o Lars Eggert to find primary and secondary experts for Port  
>Numbers. - in progress  
>  
>Lars - tied in with other port stuff - assign them now? or when we  
>have guidelines documented?  
>  
>Michelle - can assign them now.  
>

>o Cullen Jennings to develop a policy statement on how to handle errata. -  
>  
>Cullen - still in progress, will send out a draft soon.  
>  
>o Cullen Jennings to develop suggestions for tool changes for errata >processing.  
>  
>Cullen - still in progress, will send out a draft soon.  
>  
>2. Protocol Actions  
>  
>  
>2.1 WG Submissions  
>2.1.1 New Item  
> o draft-ietf-mipshop-fmipv6-rfc4068bis-06.txt  
> Mobile IPv6 Fast Handovers (Proposed Standard) - 1 of 4  
> Note: Document Shepherd is Vijay Devarapalli  
> Token: Jari Arkko  
>  
>Jari - this is PS, do we have enough votes (with DISCUSSES >resolved)? Yes. Expert reviews have been very helpful, have so many >DISCUSSES because documents are so interesting. Changes from >previous RFC from experiment is going to get documented.  
>  
>Dan - more general issue here. This is my first Experimental -> PS >draft as AD. Provide guidelines about how much information is >present? Think Lisa had similar comment. Perhaps we should create >shared knowledge.  
>  
>Jari - wish I knew more about the results of the experiments. Have >been implementations, think there have been interop tests, but >security in previous RFC was impossible except for a toy network - >that's what being fixed now.  
>  
>Lisa - improvement may not be justification for PS - would we >recommend this when people do MIP6?  
>  
>Jari - fair amount of interest, people working on it, deserves to be >PS based on scrutiny of this draft compared to other PSes. PS >doesn't mean "always recommend you do this".  
>  
>Lisa - if we always recommend it, should be PS. Not saying it should >NOT be PS if we don't recommend it generally.  
>  
>Jari - this is the only thing that makes you go really fast, if you

>want to go really fast.  
>  
>Cullen - no one I'm aware of who's doing voice calls is hot to implement this.  
>  
>Lisa - can applications do this?  
>  
>Jari - sure, but then we're talking about doing mobility at a different layer.  
>  
>Lisa - but then you wouldn't have to standardize this. Choice is  
>unilateral, doesn't require interop testing. Not saying this should  
>block the document, just something to understand.  
>  
>Jari - this is particular approach at IP layer, helping handover.  
>Will have words from the author on experiment results. Have three  
>people holding essentially the same DISCUSS - could be simplified.  
>Sent e-mail before the call on status. Lisa's DISCUSS would be  
>handled when we get the text, Lars maybe the same. Russ's DISCUSS is  
>mostly in RFC Editor notes now. Tim's DISCUSS is valid and should be  
>addressed. Dave's DISCUSS will be addressed.  
>  
>Tim - mandatory-to-implement, authors aren't convinced, and they  
>haven't convinced me - no basis for interop with so many options.  
>What's your view here?  
>  
>Jari - had bigger reasons previously, IKEv2 solved a lot of these  
>issues. How much should we be looking inside the IKEv2 spec? How  
>much are we overriding? Would like recommendation, don't care what  
>it is, would increase interop. But what if IKEv2 spec says something  
else?  
>  
>Tim - will go back and look at this as well.  
>  
>Jari - eager to resolve this. If we always use EAP, we'd make that  
>MUST, but if it's one of the other two, we'd have to do something  
>else. Should I be working on something besides experimental results?  
>  
>(no answers)  
>  
> o draft-ietf-netlmm-proxymip6-11.txt  
> Proxy Mobile IPv6 (Proposed Standard) - 2 of 4  
> Note: Document Shepherd is Jonne Soininen  
> Token: Jari Arkko  
>  
>Michelle - didn't get an evaluation note on this, either on IESG

>list or ticketing system.

>

>Russ - automatically sent when you issue the ballot.

Russ - automatically sent by the Tracker when the ballot is issued.

>Document was DEFERred (minutes ago)

>

> o draft-ietf-netconf-notification-12.txt

> NETCONF Event Notifications (Proposed Standard) - 3 of 4

> Token: Dan Romascanu

>

>Dan - clarification question on Pasi's DISCUSS - no precedent for

>HTTP URL within IANA section?

>

>Pasi - grepped over last 1000 RFCs, none had HTTP URLs.

>

>Dan - is this an IANA problem?

>

>Pasi - W3C has been using HTTP URLs instead of URNs and getting lots

>of attempts to retrieve DTDs (which they don't need).

>

>Cullen - Chris and I have commented on this - it's a previous

>problem, previously discussed. Usually resolved by making it a URN

>(or something else).

>

>Dan - agree there's no reason this has to be an HTTP URI, will check

>with authors about why they used HTTP URI.

>

>Cullen - fair enough.

>

>Dan - rest of comments are fine, Revised ID needed for another iteration.

>

> o draft-ietf-rohc-rfc3095bis-rohcv2-profiles-06.txt

> RObust Header Compression Version 2 (ROHCv2): Profiles for RTP,

> UDP, IP, ESP and UDP Lite (Proposed Standard) - 4 of 4

> Token: Magnus Westerlund

>

>Magnus - most of you have seen e-mails about this in last hour...

>starting with David. Framework is expected reading.

>

>Dave - but it's mentioned in one place in the document. Is it that

>much work to add a clarifying sentence?

>

>Magnus - framework document could have been clearer, this just isn't  
>the right place to clarify.  
>  
>Dave - but I wasted my time and there's only one sentence that  
>clarifies what to do.  
>  
>Magnus - will rev framework document anyway  
>  
>Dave - let's handle it that way - I'll clear.  
>  
>Jari - saw response 30 seconds ago, haven't read the previous e-mail  
>on "supercedes vs obsoletes". May be making the right choice.  
>  
>Magnus - working group has discussed, don't want to obsolete this.  
>  
>Cullen - current v1 implementers (except one) don't expect to implement  
v2.  
>  
>Jari - v6 headers are different. Realize that everything comes out  
>zero lengths, but don't understand why you're treating these the  
>same. They're different.  
>  
>Magnus - realize, but field headers need to be there.  
>  
>Jari - fields don't match - flow labels, etc.  
>  
>Magnus - please respond to the author then.  
>  
>Jari - didn't get inner/outer LIPID  
>  
>Magnus - if you have tunneling, you don't know how many flows you  
>have in the tunnel, inner headers will look random, so can't  
>compress easily. Always assume it's random.  
>  
>Jari - ah - assigning sequential behavior to outer header.  
>  
>Magnus - inner flows will be sequential, outer flows will be random  
>  
>Jari - what about multiple tunneling levels?  
>  
>Magnus - would have different contexts  
>  
>Jari - doesn't make sense to discuss on this call - will followup.  
>  
>Magnus - authors have proposed text for Pasi's DISCUSS  
>

>Pasi - this came as a surprise to other people - start out secure  
>but introduce security hole with RoHC.

>

>Magnus - packet loss will give you similar behavior in extreme conditions.

>

>Pasi - RoHC will change/break certain guarantees

>

>Magnus - not sure how to fix this/if it can be fixed, just need to  
>be aware of this

>

>Pasi - did fix this in IPsec - did MAC on both compressed and  
>uncompressed contents.

>

>Magnus - layer below RoHC needs to handle this (if you have requirements).

>

>Pasi - will reply to authors and make sure this gets handled.

>

>Tim - I just cleared, explanation was fine. Was surprised that text  
>had disappeared, but authors explained why.

>

>2.1.2 Returning Item

> o draft-ietf-imapext-sort-20.txt

> INTERNET MESSAGE ACCESS PROTOCOL - SORT AND THREAD EXTENSIONS

> (Proposed Standard) - 1 of 3

> Token: Lisa Dusseault

>

>Lisa - author has 27 votes and has gone through 3 ADs, but would  
>like Lars to hold his DISCUSS for IANA

>

>Lars - weird that IANA note covered half the information

s/half/only half/

>Michelle - checking this now...

>

> o draft-ietf-nsis-ntlp-15.txt

> GIST: General Internet Signalling Transport (Proposed Standard) - 2  
of 3

> Note: WG Shepherd: John Loughney (john.loughney@nokia.com).

> Abstainers please re-review your motivations in regards to the updated  
version.

> Token: Magnus Westerlund

>

>Pasi - wondering whether to ABSTAIN, no proposed objections to the document.

>

>Magnus - need to launch this document somehow, hoped that ABSTAINers would check the new version.

>

>Lisa - has document changed in last year?

>

>Magnus - don't think new version will change RTG AD views, but can't remember Lisa's.

>

>Lisa - was pretty general ABSTAIN because I didn't think the document could be fixed. Haven't refreshed state on this one.

>

>Ron - this was a very big document in page count and content. Needed to address motivation for this.

>

>Magnus - but this is why NSIS got chartered at all - would be used in contexts other than QoS. Was chartered to do RSVP-lite, but became heavier than most people wanted. Was to develop generalized solution - clear from the charter.

>

>Ron - could document explain this? Also - machinery is big and complex and document has so many words that I couldn't build anything from the spec.

>

>Magnus - then why do we have 6 interoperating implementations?

>

>Ron - from the document or from talking to other implementers.

>

>Magnus - at least some are from the document. Other protocols are much worse. Why-NSIS is in the architecture document, published several years go.

>

>Cullen - have read the documents and played with the implementations, don't see how NAT traversal works as documented.

>

>Ron - would it help to do an informal call (as SHIM6) and let you convince us?

>

>Magnus - very similar to SHIM6.

>

>Russ - yes, don't have time to do that on this call. Next week or three weeks.

>

>Lars - working group and authors have done massive revision, it's

>not a quick edit. Not convinced ABSTAINing ADs have given this  
>version enough review. Shouldn't have let WG spin their wheels if we  
>weren't going to seriously look at it. Document is required for  
>everything in NSIS. If we kill this, we kill NSIS. That's fine, but  
>we should have said something six months ago. "Can't fix" is pretty  
>general. Working group has outlived its chartered environment and  
>charged on unsupervised for a couple of years, now has something  
>that is great for the working group and the rest of us don't get it.  
>If we kill NSIS, we should kill other stuff.

>

>Pasi - would ballot NO-OBJ if it's experimental (several echoes hear)

s/several echoes hear/several others said "me too"/

>Lars - what's the experiment? This is purely the transport part, not  
>about the signaling applications.

>

>000000000000 sorry - scribe lost power here 00000000000000000000

Ended with AD Followup

>o draft-ietf-mip6-hiopt-11.txt

> DHCP Options for Home Information Discovery in MIPv6 (Proposed  
> Standard) - 3 of 3

> Note: Document Shepherd is Basavaraj Patil

> Token: Jari Arkko

>

>Lars - pretty good chance new version would address my DISCUSS

>

>Jari - agree with Dave's comment, you'll get an answer.

>

>2.2 Individual Submissions

>2.2.1 New Item

> o draft-ellermann-news-nntp-uri-10.txt

> The 'news' and 'nntp' URI Schemes (Proposed Standard) - 1 of 1

> Token: Lisa Dusseault

>

>Lisa - RFC 1738 isn't ready to go Historic yet, this is just one step.

>

>Jari - I'll clear, I just wasn't sure.

>

>Lisa - Frank is submitted text for Tim, also will address Chris

>

>Pasi - document also uses real domain names.  
>  
>Lisa - agree with Pasi  
>  
>Chris - document is using example.com some places, but it's  
>appropriate to point to real URLs if you're showing something on the  
>Internet. It's in appendix, not normative, probably fairly stable  
>since it's a large archive site.  
>  
>Jari - if no one will resolve it, should be example TLD. If it is,  
>should be asking site if it's going to be stable.  
>  
>Chris - not needed to implement the spec.  
>  
>Lisa - resolved by a person, not an automated program.  
>  
>Cullen - heard that one before... could delete this and still  
>implement. Didn't comment on this, don't care.  
>  
>Chris - feel pretty strongly that we should be able to use URLs in  
>specifications when it's appropriate. Understand threat of automated  
>processes adding load, although I think that's overblown. Agree you  
>could delete appendix.  
>  
>Lisa - "example as of 2008?"  
>  
>Chris - fine with me  
>  
>Pasi - works for me  
>  
>Cullen - if this had my domain name, I'd object. Works for me, don't  
>care, we use URLs in references all the time.  
>  
>Lisa - will mention getting approval from domain name holder to Frank.  
>  
>2.2.2 Returning Item  
> o draft-narten-iana-considerations-rfc2434bis-09.txt  
> Guidelines for Writing an IANA Considerations Section in RFCs  
> (BCP) - 1 of 1  
> Token: Russ Housley  
>  
>Russ - Mark wasn't happy with Thomas's notes?  
  
s/s's/s'/

>Mark - you have one RFC editor task. I responded, it's one word, but  
>it's a cut-and-paste error and it's significant - just making sure  
>it gets fixed.  
>  
>(Mark cleared later in the telechat)  
>  
>3. Document Actions  
>  
>3.1 WG Submissions  
>  
>3.1.1 New Item  
> o draft-ietf-mipshop-3gfh-05.txt  
> Mobile IPv6 Fast Handovers for 3G CDMA Networks (Informational) - 1  
of 4  
> Note: Document Shepherd is Vijay Devarapalli  
> Token: Jari Arkko  
>  
>Jari - Michelle, asking about informational document taking out two  
>entries from standards-action registry, but this registry also  
>allows Informational (neighbor discovery)  
>  
>Michelle - review was looking at something that specified standards-  
track.  
>  
>Jari - IANA actions were confusing (also to Gen-ART). Will fix in  
version 06.  
>  
>Jari - Lars was concerned that other RFC will be PS and this is  
>Informational. Have exchanged e-mail.  
>  
>Lars - understand your point. WG has approved this, so it's not some  
>random Informational, but we don't have guidance here. This was  
>DISCUSS-DISCUSS. Document looks like specification, uses these bits,  
>but it's Informational - why?  
>  
>Jari - not on standards track because it started out as "using foo  
>with bar" - added bits later, hasn't gotten enough review to justify  
>standards track. Link layer guys aren't interested and aren't engaged.  
>  
>Lars - then why are we using one of 8 bits for something that won't  
>be used? Uncomfortable with casual allocation of 1 bit out of 8.  
>  
>Jari - similar to other situations - neighbor discovery, did run  
>out, recently defined extension option, don't see the problem, don't  
>see lots of uses for remaining bits.  
>

>Cullen - why not have base spec reserve bit for informational  
>document? they're going through at the same time ("informative  
>reference to other document")  
>  
>Jari - this is the document that's using the bit.  
>  
>Cullen - we usually update the defining RFC - assume this would have  
>to be PS to update a PS.  
>  
>Lars - will put DISCUSS on behalf of IANA  
>  
>Lars - need pointer to some 3GPP spec explaining use of these bits  
>  
> o draft-ietf-ccamp-gmpls-mln-eval-05.txt  
> Evaluation of existing GMPLS Protocols against Multi Layer and  
> Multi Region Networks (MLN/MRN) (Informational) - 2 of 4  
> Token: Ross Callon  
>  
>Ross - don't need to DISCUSS today, already in e-mail exchange with  
authors.  
>  
> o draft-ietf-ccamp-gmpls-mln-reqs-08.txt  
> Requirements for GMPLS-Based Multi-Region and Multi-Layer  
> Networks (MRN/MLN) (Informational) - 3 of 4  
> Token: Ross Callon  
>  
>Ross - same as previous document, also revised ID needed.  
>  
> o draft-ietf-llvpn-applicability-basic-mode-04.txt  
> Applicability Statement for Layer 1 Virtual Private Networks  
> (L1VPNs) Basic Mode (Informational) - 4 of 4  
> Token: David Ward  
>  
>Dave - Tim is right, something needs to be cleared up in those  
sections.  
>  
>Mark - revised ID needed, if you take the COMMENTS that I almost  
>made into a DISCUSS :-)  
>  
>3.1.2 Returning Item  
>NONE  
>  
>3.2 Individual Submissions Via AD  
>  
>  
>3.2.1 New Item

> o draft-ogier-ospf-dbex-opt-03.txt  
> OSPF Database Exchange Summary List Optimization (Informational) -  
1 of 1  
> Token: David Ward  
>  
>Jari - Informational document that changes behavior of OSPF, which  
>is a full standard. Very happy with document, why not PS?  
>  
>David - no interest in the working group to actually write the code  
>  
>Ross - no implications for bits on the wire, you just send fewer  
>  
>Mark - decision to go PS isn't based on implementations  
>  
>David - was discussed in WG  
>  
>Magnus - procedural error  
>  
>Jari - should be able to do this, but it should be noted  
>  
>Ross - updating informative text in a full standard, that's why it's  
>not standards-track  
>  
>David - not sure how to proceed here. No change to bits on the wire....  
>  
>Mark - why publish at all?  
>  
>David - it's interesting information.  
>  
>Jari - this changes what "Update" header means.  
>  
>Ross - observes that there is some content in original specification  
>that isn't required.  
>  
>Tim - claim that it DOESN'T update, because change is invisible to  
>peers? Peer can't tell if you've implemented the optimization.  
>Complimentary, add-on, but not an update?  
>  
>Magnus - but if I extend and require a PS extension, that's fine, if  
>I require an informational extension, that's broken. That's why we  
>shouldn't be mucking with standards track definitions.  
>  
>Lari - what if it was a PS updating a full standard - same thing?  
>  
>Magnus - but it's standards-track  
>

>Ross - can imagine Experimental extension to standards track  
>  
>Magnus - but that isn't changing standards-track behavior, this would be  
>  
>Dave - understand the concern, but now all implementations would  
>interoperate fully.  
>  
>Russ - then I don't see the problem  
>  
>Mark - but I see the other point, if you change behavior that won't  
>change anything, you don't have anyone writing the code, you don't  
>know what's coming down the pike next, you're setting yourself up for  
trouble.  
>  
>Ross - safer to write it down  
>  
>Mark - if you have code for it  
>  
>Ron - now we're discussing routing protocol document criteria  
>  
>Mark - but they're the same as any other documents. If no one has  
>interest in writing code, don't see compelling reason to document.  
>  
>Magnus - and people would be fine publishing at PS - don't get the  
>counterargument for Informational.  
>  
>David - but we have requirement for implementation to publish OSPF  
>documents at PS, and we don't have anyone planning to implement.  
>Doesn't change table size, doesn't change time to converge. Just  
>sends fewer bits and reduces CPU overhead during refresh.  
>  
>Mark - getting yourself wrapped around dogma here. IETF consensus is  
>that RTG area as a whole isn't "special". WGs can have special  
>requirements on individual documents, but we've used exceptions  
>before (4-byte AS). When you have significant changes to OSPF,  
>require implementations for PS, but this is an insignificant change.  
>  
>David - started out at EXP, went INFO.  
>  
>Mark - that's broken, too.  
>  
>David - protocol experts said no reason to experiment.  
>  
>Mark - then make it PS. Whole point is to make sure you haven't  
>broken anything - consensus is that you've already looked at this.

>  
>Ross - OK with PS or INFO. Leaning towards INFO because it's  
>completely backwards-compatible.  
>  
>Mark - at least two ADs are sticking Dave here. Fundamental problem  
>is that WG thinks code is required and INFO is "get out of jail free".  
>  
>David - but that's what Bill and Alex wrote.  
>  
>Ross - they allowed WG-specific procedures.  
>  
>Magnus - WG thought could update standards-track documents as INFO -  
broken.  
>  
>Jari - what can I do to make this document go forward? If I remove,  
>will someone else add one?  
>  
>Magnus - seriously considering that....  
>  
>Russ - AD-sponsored?

Russ - Did you consider AD-sponsored individual submission on standards  
track?

>David - let me talk to the WG chairs, we can probably go PS.  
>  
>Russ - does need to be re-last called.  
>  
>Mark - just looked at Bill/Alex document, OBSOLETEs previous  
>requirement for implementation and INFO doesn't appear (except as  
>document status) - anyway, we can go offline.  
>  
>3.2.2 Returning Item  
>NONE  
>3.3 Independent Submissions Via RFC Editor  
>The IESG will use RFC 3932 responses: 1) The IESG has not  
>found any conflict between this document and IETF work; 2) The  
>IESG thinks that this work is related to IETF work done in WG  
><X>, but this does not prevent publishing; 3) The IESG thinks  
>that publication is harmful to work in WG <X> and recommends  
>not publishing at this time; 4) The IESG thinks that this  
>document violates the IETF procedures for <X> and should  
>therefore not be published without IETF review and IESG  
>approval; 5) The IESG thinks that this document extends an  
>IETF protocol in a way that requires IETF review and should

>therefore not be published without IETF review and IESG approval.  
>  
>  
>3.3.1 New Item  
>NONE  
>3.3.2 Returning Item  
>NONE  
>  
>4. Working Group Actions  
>4.1 WG Creation  
>4.1.1 Proposed for IETF Review  
> NONE  
>4.1.2 Proposed for Approval  
> NONE  
>4.2 WG Rechartering  
>4.2.1 Under evaluation for IETF Review  
> o Multiparty Multimedia Session Control (mmusic) - 1 of 1  
> Token: Cullen Jennings  
>  
>Cullen - changed text is mostly about ICE work concerns. Most other  
>concerns have been resolved. Want to talk about getting the ICE  
>stuff right. Are TSV ADs ok with current version of charter?  
>  
>(Lars phone crashed - we talked later in the call)  
>  
>Magnus - fine with that text.  
>  
>Lars - for the time being, we leave ICE in MMUSIC.  
>  
>Cullen - just to move forward. Remember, all we're doing is  
>approving text going out for comments.  
>  
>Lars - fine.  
>  
>Cullen - we have an RTSP/SIP/IPTV thing coming up too, not dealing  
>with this now.  
>  
>Amy - Will go for external review with new text from Cullen.  
>  
>4.2.2 Proposed for Approval  
> NONE  
>  
>5. IAB News We can use - Loa  
>  
>We are preparing the retreat  
>

>We had a good tech chat yesterday (on time, by Peter Lothberg), it  
>resulted in an action item, exchanging IETF contacts with people  
>working with time (Peter to write a proposal).  
>  
>Olaf - IETF has received strange request from UN via ISOC asking for  
>annual report on improved cooperation. Quite unexpected, publicly  
>viewable so you may get questions. ISOC looking at whether there are  
>political considerations in play and what W3C and similar groups are  
>doing in response. Most likely action is that ISOC will point to our  
>liaison page in May or June, pointing out that we have an open  
>process and play well with others.  
>  
>[http://wiki.tools.isoc.org/Policy\\_Activities/UN\\_report\\_request](http://wiki.tools.isoc.org/Policy_Activities/UN_report_request)  
>[[http://wiki.tools.isoc.org/Policy\\_Activities/UN\\_report\\_request](http://wiki.tools.isoc.org/Policy_Activities/UN_report_request)]  
>  
>6. Management Issue  
>  
>6.1 Updating media registration for audio/3gpp and video/3gpp  
>(Magnus Westerlund)  
>  
>Magnus - we're actually moving back change control to 3gpp, so  
>moving registrations to historic.  
>  
>Cullen - RFC 3839 was standards track - need this to be a draft?  
>  
>Chris - if you move to Historic, you can do that with Last Call (but  
>you do need a Last Call).  
>  
>Cullen - this was very contentious and people thought it wasn't  
>appropriate - it's a container type. That's why it got wider review  
>- it didn't meet our guidelines. Totally agree we need this update,  
>questioning whether this is the right way to do the update. Should  
>be someone who can write the 3-page draft... Change control for some  
>items stays with IESG, right? And this should be the APP ADs, not  
>the TSV ADs... Just republish the old document pointing to the right  
>place and you'd be done - consistent with what we did with 3GPP2, etc.  
>  
>Magnus - goal was to have SDOs procedures in the same document.  
>  
>Cullen - true. I hadn't thought about that.  
>  
>Magnus - wasn't sure we required Last Call for Historic  
>  
>Chris - stable reference?  
>  
>Magnus - is to another SDO's specification.

>  
>Chris - to a dated version, guarantee stable? as long as they don't  
>re-release with the same name, that's what's needed.  
>  
>Magnus - do need to talk about how we track their changes  
>  
>Cullen - think this requires IESG approval of changing IANA  
considerations  
>  
>Loa - have same issue with ITU-T - they re-use recommendation names.  
>  
>Russ - we now point to recommendation-year.  
>  
>Magnus - need to have a discussion about this.  
>  
>Chris - can't approve this management item now. Would be OK if we  
>replace the RFC, but if you look at IANA registry, the RFC IS the  
>current template. You want IANA to put current 3GPP text in  
>registry? Don't think we've done that before.  
>  
>Magnus - yes, we have.  
>  
>Michelle - if we have registration through a document, we point to  
>the document.  
>  
>Chris - I think we only use the template if there's no RFC  
>  
>(some during-telechat poking around through the registries looking  
>for templates and pointers in registries)  
>  
>Chris - not insisting that this change goes through a new RFC -  
>although that may be the quickest way.  
>  
>6.2 TMDA (Russ Housley)  
>  
>Russ - Working group chairs want this back, we never had a policy  
>about TMDA in the IESG statements about spam, want to get this back  
>quickly, should mention this in the policy.  
>  
>Chris - don't see any rules that would prohibit this.  
>  
>Russ - people working on mail think current spam policy prohibits  
>TMDA - there's more than one policy.

s/policy/policy statement/

>Cullen - think Sam was the one who had input about this, but we did  
>it anyway. We had 10,000 messages in some queues, that would never  
>be processed.  
>  
>Chris - every queue I moderate has a different password, substandard  
>  
>Cullen - tools are so poor they don't get used, knowledgeable e-mail  
>people say TMDA is evil, chairs say they are drowning....  
>  
>Russ - could Chris look at current spam policies to see what's  
>needed to allow TMDA opt-in?  
>  
>Chris - thought that might coming....  
>  
>6.3 Expedited publishing for  
>draft-ietf-rohc-rfc3095bis-rohcv2-profiles (Magnus Westerlund)  
>  
>Magnus - Have 3GPP agreement to point to this specification if it's  
>approved in time (and date is really short-timeframe). Draft wasn't  
>approved today but expect approval in a few days.  
>  
>(Several ADs said "works for me").  
>  
>6.4 IESG Retreat Location (Russ Housley)  
>  
>Two camps plus silent people re: downtown vs jersey shore.  
>  
>Ross - prefer NJ and can go either way.  
>  
>Ron - compromise in Jersey City, etc. so it's cheap to get around?  
>  
>Jon - but they're pretty wretched.  
>  
>Cullen - we need to decide pretty soon, people are making travel  
arrangements  
>  
>Russ - hearing silence while trying to create a compromise. People  
>said they didn't want to have to move far when changing meetings (to  
NANOG).  
>  
>Dan - if I'm in the rough, I can adapt. Can't afford the rate for  
>more than one night, but can stay with friends.  
>  
>Jari - don't care where we are as long as we can get there from the  
>airport in a reasonable way.

>  
>Alexa - nothing special about any locations, but we can definitely  
>go to New Jersey - but we'll lose the Hilton if we don't commit.  
>  
>Ross - does \$350/night at the Hilton include everything?  
>  
>Alexa - none of the Manhattan locations include food, ones in the  
>suburbs would ...  
>  
>Tim - we had distances but not travel information for these properties  
>  
>Russ - does anyone object to going to the Hilton New York for the  
>retreat? No objections  
>  
>7. Agenda Working Group News  
>  
>Jari Arkko  
>  
>- Pasi's discuss suggested it would be appropriate to support  
>multiple prefixes because that's the way IPv6 works, but there's WG  
>pushback. Thinking we should do it - does anyone else have opinions?  
>(Anyone left on the call?)  
>  
>- Pasi - good to have document that provides requirements for access  
>networks that use IPv6, and this really requires multiple addresses  
>and prefixes. 3GPP fixed their specs, not completely. Other SDOs  
>also specifying "IPv6-lite", and multiple prefixes gets left out  
>often. Breaks SHIM6, breaks some parts of Mobile IP... Also IPv6  
>address allocation guidelines aren't clear on whether prefixes are  
>/56 or /58, but other SDOs are doing just /64s, and this is getting  
>hard-coded in lots of places - will be difficult to fix later.  
>  
>- Jari - document name is rfc3177bis, lots of history you may not  
>have seen with other address allocation bodies.  
>  
>- Pasi - concern is that people will continue to NAT home networks  
>because providers don't provide proper allocations, etc.  
>  
>- Jari - also some IETF things we need to get right. Any comments on  
>NetLMM question? None, so will require change to be done.  
>  
>Lisa Dusseault  
>  
>- IDN proposed working group - lots of discussion and changes, not  
>happy because changes won't help working group move faster -  
>important to scope the work, but other discussions aren't helping.

>Design team doesn't agree on everything, which is true but normal.  
>Just send out for external review before telechat?  
>  
>- Russ - makes sense given amount of change. External review and  
>then telechat. Vint is still on board to chair and engaging the working  
group.  
>  
>Pasi Eronen  
>  
>- have received two charter proposals for IPsec maintenance group  
>people want to set up.  
>  
>- Jari - people were against this. Have they changed their minds?  
>  
>Chris Newman  
>  
>- LTRU - JFC has PR action, but everyone believes he's posting under  
>another identity. BCP says you can block another e-mail address, but  
>how to know it's the same person who is covered by the PR-action?  
>Proposed ad hoc mechanism, chair has proposed on list and  
>implemented, expecting appeal.  
>  
>- Russ - LB says he won't do anything to prove his identity and  
>won't appeal. Still might get ugly, but there you have it.  
>  
>- Cullen - had similar situation where person wasn't willing to have  
>a phone call, and postings ended.  
>  
>- Ron - should probably mention phone calls as an option in BCP  
>  
>- Russ - is purposely vague  
>  
>- Chris - impressively vague - Marshall knew what he was doing  
>  
>Magnus Westerlund  
>  
>- closed MIDCOM (at least one "yahoo" happened here)  
>  
>

Return-Path: <iesg-bounces@iesg.org>  
X-Original-To: iesg-archive@ietf.org  
Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from core3.amsl.com (localhost [127.0.0.1])

by core3.amsl.com (Postfix) with ESMTP id CFD0028C5F0;  
Thu, 3 Apr 2008 07:01:00 -0700 (PDT)  
X-Original-To: tmdaiesg@core3.amsl.com  
Delivered-To: tmdaiesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id B7E2E28C5C9;  
Thu, 3 Apr 2008 07:00:59 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -1.717  
X-Spam-Level:  
X-Spam-Status: No, score=-1.717 tagged\_above=-999 required=5 tests=  
[AWL=0.881,  
BAYES\_00=-2.599, STOX\_REPLY\_TYPE=0.001]  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id ORMZ3jjXYZrd; Thu, 3 Apr 2008 07:00:51 -0700 (PDT)  
Received: from mout.perfora.net (mout.perfora.net [74.208.4.195])  
by core3.amsl.com (Postfix) with ESMTP id 26E2F28C149;  
Thu, 3 Apr 2008 07:00:46 -0700 (PDT)  
Received: from s73602 (cpe-72-190-0-23.tx.res.rr.com [72.190.0.23])  
by mrelay.perfora.net (node=mrus0) with ESMTP (Nemesis)  
id 0MKp8S-1JhPzg2WuE-00087E; Thu, 03 Apr 2008 10:00:49 -0400  
Message-ID: <0d0301c89592\$fb6d7e80\$6401a8c0@china.huawei.com>  
From: "Spencer Dawkins" <spencer@wonderhamster.org>  
To: "The IESG" <iesg@ietf.org>  
References: <20080326215419.A24DC28C580@core3.amsl.com>  
<002d01c89039\$3a6da920\$6401a8c0@china.huawei.com>  
Subject: Re: [IESG-SCRIBES] DRAFT Narrative Minutes for March 27, 2008  
Telechat  
Date: Thu, 3 Apr 2008 08:59:44 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; format=flowed; charset="iso-8859-1";  
reply-type=original  
Content-Transfer-Encoding: 7bit  
X-Priority: 3  
X-MSMail-Priority: Normal  
X-Mailer: Microsoft Outlook Express 6.00.2900.3138  
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.3198  
X-Provags-ID: V01U2FsdGVkX19+GI fNPWCiwVWRom4iIrb1PkHGisbLq8nxD  
tCkK+bgGear8grp6YG0Ao4CK5FycVsM7W4IABUYnYintYEaDBz  
x1HUG9mXyhyM0Z3K4ouBG/g0t5zziJmYmzchDC9Xx0=  
Cc: avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org  
X-BeenThere: iesg@iesg.org  
X-Mailman-Version: 2.1.9

Precedence: list  
List-Id: <iesg.iesg.org>  
List-Unsubscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,  
                  <<mailto:iesg-request@iesg.org?subject=unsubscribe>>  
List-Archive: <<http://www.iesg.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@iesg.org>>  
List-Help: <<mailto:iesg-request@iesg.org?subject=help>>  
List-Subscribe: <<http://www.iesg.org/mailman/listinfo/iesg>>,  
                  <<mailto:iesg-request@iesg.org?subject=subscribe>>  
Sender: iesg-bounces@iesg.org  
Errors-To: iesg-bounces@iesg.org

With corrections received so far - the goal would be to approve these minutes on the April 10 telechat.

Thanks,

Spencer

INTERNET ENGINEERING STEERING GROUP (IESG)  
Narrative Minutes for the March 27, 2008 IESG Teleconference

Narrative Scribe: Spencer Dawkins <[spencer@wonderhamster.org](mailto:spencer@wonderhamster.org)>

With corrections by Russ Housley.

## 1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda

No changes to the agenda

## 1.3 Approval of the Minutes

2008 03 06 Minutes approved with no changes.

2008 03 06 Narrative minutes to be provided by Marc Blanchet.

## 1.4 Review of Action Items

o Sam Hartman to write a draft explanation of informational balloting. - done

o Lars Eggert to find primary and secondary experts for Port Numbers. - in

progress

Lars - tied in with other port stuff - assign them now? or when we have guidelines documented?

Michelle - can assign them now.

o Cullen Jennings to develop a policy statement on how to handle errata.  
-

Cullen - still in progress, will send out a draft soon.

o Cullen Jennings to develop suggestions for tool changes for errata processing.

Cullen - still in progress, will send out a draft soon.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-mipshop-fmipv6-rfc4068bis-06.txt  
Mobile IPv6 Fast Handovers (Proposed Standard) - 1 of 4  
Note: Document Shepherd is Vijay Devarapalli  
Token: Jari Arkko

Jari - this is PS, do we have enough votes (with DISCUSSES resolved)?

Yes.

Expert reviews have been very helpful, have so many DISCUSSES because documents are so interesting. Changes from previous RFC from experiment is going to get documented.

Dan - more general issue here. This is my first Experimental -> PS draft as

AD. Provide guidelines about how much information is present? Think Lisa had similar comment. Perhaps we should create shared knowledge.

Jari - wish I knew more about the results of the experiments. Have been implementations, think there have been interop tests, but security in previous RFC was impossible except for a toy network - that's what being fixed now.

Lisa - improvement may not be justification for PS - would we recommend

this  
when people do MIP6?

Jari - fair amount of interest, people working on it, deserves to be PS based on scrutiny of this draft compared to other PSes. PS doesn't mean "always recommend you do this".

Lisa - if we always recommend it, should be PS. Not saying it should NOT be  
PS if we don't recommend it generally.

Jari - this is the only thing that makes you go really fast, if you want to  
go really fast.

Cullen - no one I'm aware of who's doing voice calls is hot to implement this.

Lisa - can applications do this?

Jari - sure, but then we're talking about doing mobility at a different layer.

Lisa - but then you wouldn't have to standardize this. Choice is unilateral,  
doesn't require interop testing. Not saying this should block the document,  
just something to understand.

Jari - this is particular approach at IP layer, helping handover. Will have  
words from the author on experiment results. Have three people holding essentially the same DISCUSS - could be simplified. Sent e-mail before the  
call on status. Lisa's DISCUSS would be handled when we get the text, Lars  
maybe the same. Russ's DISCUSS is mostly in RFC Editor notes now. Tim's DISCUSS is valid and should be addressed. Dave's DISCUSS will be addressed.

Tim - mandatory-to-implement, authors aren't convinced, and they haven't convinced me - no basis for interop with so many options. What's your view  
here?

Jari - had bigger reasons previously, IKEv2 solved a lot of these

issues.

How much should we be looking inside the IKEv2 spec? How much are we overriding? Would like recommendation, don't care what it is, would increase

interop. But what if IKEv2 spec says something else?

Tim - will go back and look at this as well.

Jari - eager to resolve this. If we always use EAP, we'd make that MUST, but

if it's one of the other two, we'd have to do something else. Should I be

working on something besides experimental results?

(no answers)

- o draft-ietf-netlmm-proxymip6-11.txt  
Proxy Mobile IPv6 (Proposed Standard) - 2 of 4  
Note: Document Shepherd is Jonne Soininen  
Token: Jari Arkko

Michelle - didn't get an evaluation note on this, either on IESG list or ticketing system.

Russ - automatically sent by the Tracker when the ballot is issued.

Document was DEFERred (minutes ago)

- o draft-ietf-netconf-notification-12.txt  
NETCONF Event Notifications (Proposed Standard) - 3 of 4  
Token: Dan Romascanu

Dan - clarification question on Pasi's DISCUSS - no precedent for HTTP URL within IANA section?

Pasi - grepped over last 1000 RFCs, none had HTTP URLs.

Dan - is this an IANA problem?

Pasi - W3C has been using HTTP URLs instead of URNs and getting lots of attempts to retrieve DTDs (which they don't need).

Cullen - Chris and I have commented on this - it's a previous problem, previously discussed. Usually resolved by making it a URN (or something else).

Dan - agree there's no reason this has to be an HTTP URI, will check with authors about why they used HTTP URI.

Cullen - fair enough.

Dan - rest of comments are fine, Revised ID needed for another iteration.

o draft-ietf-rohc-rfc3095bis-rohcv2-profiles-06.txt  
RObust Header Compression Version 2 (ROHCv2): Profiles for RTP, UDP, IP,  
ESP and UDP Lite (Proposed Standard) - 4 of 4  
Token: Magnus Westerlund

Magnus - most of you have seen e-mails about this in last hour... starting with David. Framework is expected reading.

Dave - but it's mentioned in one place in the document. Is it that much work to add a clarifying sentence?

Magnus - framework document could have been clearer, this just isn't the right place to clarify.

Dave - but I wasted my time and there's only one sentence that clarifies what to do.

Magnus - will rev framework document anyway

Dave - let's handle it that way - I'll clear.

Jari - saw response 30 seconds ago, haven't read the previous e-mail on "supercedes vs obsoletes". May be making the right choice.

Magnus - working group has discussed, don't want to obsolete this.

Cullen - current v1 implementers (except one) don't expect to implement v2.

Jari - v6 headers are different. Realize that everything comes out zero lengths, but don't understand why you're treating these the same. They're different.

Magnus - realize, but field headers need to be there.

Jari - fields don't match - flow labels, etc.

Magnus - please respond to the author then.

Jari - didn't get inner/outer LIPID

Magnus - if you have tunneling, you don't know how many flows you have in the tunnel, inner headers will look random, so can't compress easily. Always assume it's random.

Jari - ah - assigning sequential behavior to outer header.

Magnus - inner flows will be sequential, outer flows will be random

Jari - what about multiple tunneling levels?

Magnus - would have different contexts

Jari - doesn't make sense to discuss on this call - will followup.

Magnus - authors have proposed text for Pasi's DISCUSS

Pasi - this came as a surprise to other people - start out secure but introduce security hole with RoHC.

Magnus - packet loss will give you similar behavior in extreme conditions.

Pasi - RoHC will change/break certain guarantees

Magnus - not sure how to fix this/if it can be fixed, just need to be aware of this

Pasi - did fix this in IPsec - did MAC on both compressed and uncompressed contents.

Magnus - layer below RoHC needs to handle this (if you have requirements).

Pasi - will reply to authors and make sure this gets handled.

Tim - I just cleared, explanation was fine. Was surprised that text had disappeared, but authors explained why.

#### 2.1.2 Returning Item

- o draft-ietf-imaext-sort-20.txt

INTERNET MESSAGE ACCESS PROTOCOL - SORT AND THREAD EXTENSIONS

(Proposed

Standard) - 1 of 3

Token: Lisa Dusseault

Lisa - author has 27 votes and has gone through 3 ADs, but would like Lars to hold his DISCUSS for IANA

Lars - weird that IANA note covered only half the information

Michelle - checking this now...

- o draft-ietf-nsis-ntlp-15.txt

GIST: General Internet Signalling Transport (Proposed Standard) - 2 of 3

Note: WG Shepherd: John Loughney (john.loughney@nokia.com).

Abstainers

please re-review your motivations in regards to the updated version.

Token: Magnus Westerlund

Pasi - wondering whether to ABSTAIN, no proposed objections to the document.

Magnus - need to launch this document somehow, hoped that ABSTAINers would check the new version.

Lisa - has document changed in last year?

Magnus - don't think new version will change RTG AD views, but can't remember Lisa's.

Lisa - was pretty general ABSTAIN because I didn't think the document could be fixed. Haven't refreshed state on this one.

Ron - this was a very big document in page count and content. Needed to address motivation for this.

Magnus - but this is why NSIS got chartered at all - would be used in contexts other than QoS. Was chartered to do RSVP-lite, but became heavier than most people wanted. Was to develop generalized solution - clear from the charter.

Ron - could document explain this? Also - machinery is big and complex and document has so many words that I couldn't build anything from the spec.

Magnus - then why do we have 6 interoperating implementations?

Ron - from the document or from talking to other implementers.

Magnus - at least some are from the document. Other protocols are much worse. Why-NSIS is in the architecture document, published several years go.

Cullen - have read the documents and played with the implementations, don't see how NAT traversal works as documented.

Ron - would it help to do an informal call (as SHIM6) and let you convince us?

Magnus - very similar to SHIM6.

Russ - yes, don't have time to do that on this call. Next week or three weeks.

Lars - working group and authors have done massive revision, it's not a quick edit. Not convinced ABSTAINing ADs have given this version enough review. Shouldn't have let WG spin their wheels if we weren't going to seriously look at it. Document is required for everything in NSIS. If we kill this, we kill NSIS. That's fine, but we should have said something six months ago. "Can't fix" is pretty general. Working group has outlived its chartered environment and charged on unsupervised for a couple of years, now has something that is great for the working group and the rest of us don't get it. If we kill NSIS, we should kill other stuff.

Pasi - would ballot NO-OBJ if it's experimental (several others said "me too")

Lars - what's the experiment? This is purely the transport part, not about the signaling applications.

- o draft-ietf-mip6-hiopt-11.txt  
DHCP Options for Home Information Discovery in MIPv6 (Proposed Standard) - 3 of 3  
Note: Document Shepherd is Basavaraj Patil  
Token: Jari Arkko

Lars - pretty good chance new version would address my DISCUSS

Jari - agree with Dave's comment, you'll get an answer.

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-ellermann-news-nntp-uri-10.txt  
The 'news' and 'nntp' URI Schemes (Proposed Standard) - 1 of 1  
Token: Lisa Dusseault

Lisa - RFC 1738 isn't ready to go Historic yet, this is just one step.

Jari - I'll clear, I just wasn't sure.

Lisa - Frank is submitted text for Tim, also will address Chris

Pasi - document also uses real domain names.

Lisa - agree with Pasi

Chris - document is using example.com some places, but it's appropriate to point to real URLs if you're showing something on the Internet. It's in appendix, not normative, probably fairly stable since it's a large archive site.

Jari - if no one will resolve it, should be example TLD. If it is, should be asking site if it's going to be stable.

Chris - not needed to implement the spec.

Lisa - resolved by a person, not an automated program.

Cullen - heard that one before... could delete this and still implement.  
Didn't comment on this, don't care.

Chris - feel pretty strongly that we should be able to use URLs in specifications when it's appropriate. Understand threat of automated processes adding load, although I think that's overblown. Agree you could delete appendix.

Lisa - "example as of 2008?"

Chris - fine with me

Pasi - works for me

Cullen - if this had my domain name, I'd object. Works for me, don't care,  
we use URLs in references all the time.

Lisa - will mention getting approval from domain name holder to Frank.

#### 2.2.2 Returning Item

- o draft-narten-iana-considerations-rfc2434bis-09.txt

- Guidelines for Writing an IANA Considerations Section in RFCs (BCP)

- 1

- of 1

- Token: Russ Housley

Russ - Mark wasn't happy with Thomas' notes?

Mark - you have one RFC editor task. I responded, it's one word, but it's a cut-and-paste error and it's significant - just making sure it gets fixed.

(Mark cleared later in the telechat)

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item

- o draft-ietf-mipshop-3gfh-05.txt

Mobile IPv6 Fast Handovers for 3G CDMA Networks (Informational) - 1  
of 4

Note: Document Shepherd is Vijay Devarapalli  
Token: Jari Arkko

Jari - Michelle, asking about informational document taking out two  
entries  
from standards-action registry, but this registry also allows  
Informational  
(neighbor discovery)

Michelle - review was looking at something that specified standards-  
track.

Jari - IANA actions were confusing (also to Gen-ART). Will fix in  
version  
06.

Jari - Lars was concerned that other RFC will be PS and this is  
Informational. Have exchanged e-mail.

Lars - understand your point. WG has approved this, so it's not some  
random  
Informational, but we don't have guidance here. This was DISCUSS-  
DISCUSS.  
Document looks like specification, uses these bits, but it's  
Informational -  
why?

Jari - not on standards track because it started out as "using foo with  
bar" - added bits later, hasn't gotten enough review to justify  
standards  
track. Link layer guys aren't interested and aren't engaged.

Lars - then why are we using one of 8 bits for something that won't be  
used?  
Uncomfortable with casual allocation of 1 bit out of 8.

Jari - similar to other situations - neighbor discovery, did run out,  
recently defined extension option, don't see the problem, don't see lots  
of  
uses for remaining bits.

Cullen - why not have base spec reserve bit for informational document?  
they're going through at the same time ("informative reference to other  
document")

Jari - this is the document that's using the bit.

Cullen - we usually update the defining RFC - assume this would have to be  
PS to update a PS.

Lars - will put DISCUSS on behalf of IANA

Lars - need pointer to some 3GPP spec explaining use of these bits

- o draft-ietf-ccamp-gmpls-mln-eval-05.txt  
Evaluation of existing GMPLS Protocols against Multi Layer and Multi  
Region Networks (MLN/MRN) (Informational) - 2 of 4  
Token: Ross Callon

Ross - don't need to DISCUSS today, already in e-mail exchange with  
authors.

- o draft-ietf-ccamp-gmpls-mln-reqs-08.txt  
Requirements for GMPLS-Based Multi-Region and Multi-Layer Networks  
(MRN/MLN) (Informational) - 3 of 4  
Token: Ross Callon

Ross - same as previous document, also revised ID needed.

- o draft-ietf-llvpn-applicability-basic-mode-04.txt  
Applicability Statement for Layer 1 Virtual Private Networks  
(L1VPNs)  
Basic Mode (Informational) - 4 of 4  
Token: David Ward

Dave - Tim is right, something needs to be cleared up in those sections.

Mark - revised ID needed, if you take the COMMENTS that I almost made  
into a  
DISCUSS :-)

3.1.2 Returning Item  
NONE

3.2 Individual Submissions Via AD

3.2.1 New Item  
o draft-ogier-ospf-dbex-opt-03.txt

OSPF Database Exchange Summary List Optimization (Informational) - 1  
of  
1

Token: David Ward

Jari - Informational document that changes behavior of OSPF, which is a full standard. Very happy with document, why not PS?

David - no interest in the working group to actually write the code

Ross - no implications for bits on the wire, you just send fewer

Mark - decision to go PS isn't based on implementations

David - was discussed in WG

Magnus - procedural error

Jari - should be able to do this, but it should be noted

Ross - updating informative text in a full standard, that's why it's not standards-track

David - not sure how to proceed here. No change to bits on the wire....

Mark - why publish at all?

David - it's interesting information.

Jari - this changes what "Update" header means.

Ross - observes that there is some content in original specification that isn't required.

Tim - claim that it DOESN'T update, because change is invisible to peers?

Peer can't tell if you've implemented the optimization. Complimentary, add-on, but not an update?

Magnus - but if I extend and require a PS extension, that's fine, if I require an informational extension, that's broken. That's why we shouldn't be mucking with standards track definitions.

Lari - what if it was a PS updating a full standard - same thing?

Magnus - but it's standards-track

Ross - can imagine Experimental extension to standards track

Magnus - but that isn't changing standards-track behavior, this would be

Dave - understand the concern, but now all implementations would interoperate fully.

Russ - then I don't see the problem

Mark - but I see the other point, if you change behavior that won't change anything, you don't have anyone writing the code, you don't know what's coming down the pike next, you're setting yourself up for trouble.

Ross - safer to write it down

Mark - if you have code for it

Ron - now we're discussing routing protocol document criteria

Mark - but they're the same as any other documents. If no one has interest in writing code, don't see compelling reason to document.

Magnus - and people would be fine publishing at PS - don't get the counterargument for Informational.

David - but we have requirement for implementation to publish OSPF documents at PS, and we don't have anyone planning to implement. Doesn't change table size, doesn't change time to converge. Just sends fewer bits and reduces CPU overhead during refresh.

Mark - getting yourself wrapped around dogma here. IETF consensus is that RTG area as a whole isn't "special". WGs can have special requirements on individual documents, but we've used exceptions before (4-byte AS). When you have significant changes to OSPF, require implementations for PS, but

this  
is an insignificant change.

David - started out at EXP, went INFO.

Mark - that's broken, too.

David - protocol experts said no reason to experiment.

Mark - then make it PS. Whole point is to make sure you haven't broken anything - consensus is that you've already looked at this.

Ross - OK with PS or INFO. Leaning towards INFO because it's completely backwards-compatible.

Mark - at least two ADs are sticking Dave here. Fundamental problem is that  
WG thinks code is required and INFO is "get out of jail free".

David - but that's what Bill and Alex wrote.

Ross - they allowed WG-specific procedures.

Magnus - WG thought could update standards-track documents as INFO - broken.

Jari - what can I do to make this document go forward? If I remove, will someone else add one?

Magnus - seriously considering that....

Russ - Did you consider AD-sponsored individual submission on standards track?

David - let me talk to the WG chairs, we can probably go PS.

Russ - does need to be re-last called.

Mark - just looked at Bill/Alex document, OBSOLETEs previous requirement for  
implementation and INFO doesn't appear (except as document status) -  
anyway,  
we can go offline.

3.2.2 Returning Item

NONE

### 3.3 Independent Submissions Via RFC Editor

#### 3.3.1 New Item

NONE

#### 3.3.2 Returning Item

NONE

### 4. Working Group Actions

#### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

NONE

##### 4.1.2 Proposed for Approval

NONE

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

- o Multiparty Multimedia Session Control (mmusic) - 1 of 1  
Token: Cullen Jennings

Cullen - changed text is mostly about ICE work concerns. Most other concerns

have been resolved. Want to talk about getting the ICE stuff right. Are TSV

ADs ok with current version of charter?

(Lars phone crashed - we talked later in the call)

Magnus - fine with that text.

Lars - for the time being, we leave ICE in MMUSIC.

Cullen - just to move forward. Remember, all we're doing is approving text going out for comments.

Lars - fine.

Cullen - we have an RTSP/SIP/IPTV thing coming up too, not dealing with this now.

Amy - Will go for external review with new text from Cullen.

##### 4.2.2 Proposed for Approval

NONE

## 5. IAB News We can use - Loa

We are preparing the retreat

We had a good tech chat yesterday (on time, by Peter Lothberg), it resulted in an action item, exchanging IETF contacts with people working with time (Peter to write a proposal).

Olaf - IETF has received strange request from UN via ISOC asking for annual report on improved cooperation. Quite unexpected, publicly viewable so you may get questions. ISOC looking at whether there are political considerations in play and what W3C and similar groups are doing in response. Most likely action is that ISOC will point to our liaison page in May or June, pointing out that we have an open process and play well with others.

[http://wiki.tools.isoc.org/Policy\\_Activities/UN\\_report\\_request](http://wiki.tools.isoc.org/Policy_Activities/UN_report_request)  
[[http://wiki.tools.isoc.org/Policy\\_Activities/UN\\_report\\_request](http://wiki.tools.isoc.org/Policy_Activities/UN_report_request)]

## 6. Management Issue

6.1 Updating media registration for audio/3gpp and video/3gpp (Magnus Westerlund)

Magnus - we're actually moving back change control to 3gpp, so moving registrations to historic.

Cullen - RFC 3839 was standards track - need this to be a draft?

Chris - if you move to Historic, you can do that with Last Call (but you do need a Last Call).

Cullen - this was very contentious and people thought it wasn't appropriate - it's a container type. That's why it got wider review - it didn't meet our guidelines. Totally agree we need this update, questioning whether this is the right way to do the update. Should be someone who can write the 3-page draft... Change control for some items stays with IESG,

right? And this should be the APP ADs, not the TSV ADs... Just republish the old document pointing to the right place and you'd be done - consistent with what we did with 3GPP2, etc.

Magnus - goal was to have SDOs procedures in the same document.

Cullen - true. I hadn't thought about that.

Magnus - wasn't sure we required Last Call for Historic

Chris - stable reference?

Magnus - is to another SDO's specification.

Chris - to a dated version, guarantee stable? as long as they don't re-release with the same name, that's what's needed.

Magnus - do need to talk about how we track their changes

Cullen - think this requires IESG approval of changing IANA considerations

Loa - have same issue with ITU-T - they re-use recommendation names.

Russ - we now point to recommendation-year.

Magnus - need to have a discussion about this.

Chris - can't approve this management item now. Would be OK if we replace the RFC, but if you look at IANA registry, the RFC IS the current template. You want IANA to put current 3GPP text in registry? Don't think we've done that before.

Magnus - yes, we have.

Michelle - if we have registration through a document, we point to the document.

Chris - I think we only use the template if there's no RFC

(some during-telechat poking around through the registries looking for

templates and pointers in registries)

Chris - not insisting that this change goes through a new RFC - although that may be the quickest way.

## 6.2 TMDA (Russ Housley)

Russ - Working group chairs want this back, we never had a policy about TMDA

in the IESG statements about spam, want to get this back quickly, should mention this in the policy.

Chris - don't see any rules that would prohibit this.

Russ - people working on mail think current spam policy prohibits TMDA - there's more than one policy statement, so figuring this out isn't as easy as it might be..

Cullen - think Sam was the one who had input about this, but we did it anyway. We had 10,000 messages in some queues, that would never be processed.

Chris - every queue I moderate has a different password, substandard

Cullen - tools are so poor they don't get used, knowledgeable e-mail people

say TMDA is evil, chairs say they are drowning....

Russ - could Chris look at current spam policies to see what's needed to allow TMDA opt-in?

Chris - thought that might coming....

## 6.3 Expedited publishing for draft-ietf-rohc-rfc3095bis-rohcv2-profiles (Magnus Westerlund)

Magnus - Have 3GPP agreement to point to this specification if it's approved

in time (and date is really short-timeframe). Draft wasn't approved today

but expect approval in a few days.

(Several ADs said "works for me").

## 6.4 IESG Retreat Location (Russ Housley)

Two camps plus silent people re: downtown vs jersey shore.

Ross - prefer NJ and can go either way.

Ron - compromise in Jersey City, etc. so it's cheap to get around?

Jon - but they're pretty wretched.

Cullen - we need to decide pretty soon, people are making travel arrangements

Russ - hearing silence while trying to create a compromise. People said they didn't want to have to move far when changing meetings (to NANOG).

Dan - if I'm in the rough, I can adapt. Can't afford the rate for more than one night, but can stay with friends.

Jari - don't care where we are as long as we can get there from the airport in a reasonable way.

Alexa - nothing special about any locations, but we can definitely go to New Jersey - but we'll lose the Hilton if we don't commit.

Ross - does \$350/night at the Hilton include everything?

Alexa - none of the Manhattan locations include food, ones in the suburbs would ...

Tim - we had distances but not travel information for these properties

Russ - does anyone object to going to the Hilton New York for the retreat?  
No objections

## 7. Agenda Working Group News

Jari Arkko

- Pasi's discuss suggested it would be appropriate to support multiple prefixes because that's the way IPv6 works, but there's WG pushback.

Thinking we should do it - does anyone else have opinions? (Anyone left on the call?)

- Pasi - good to have document that provides requirements for access networks that use IPv6, and this really requires multiple addresses and prefixes. 3GPP fixed their specs, not completely. Other SDOs also specifying "IPv6-lite", and multiple prefixes gets left out often. Breaks SHIM6, breaks some parts of Mobile IP... Also IPv6 address allocation guidelines aren't clear on whether prefixes are /56 or /58, but other SDOs are doing just /64s, and this is getting hard-coded in lots of places - will be difficult to fix later.

- Jari - document name is rfc3177bis, lots of history you may not have seen with other address allocation bodies.

- Pasi - concern is that people will continue to NAT home networks because providers don't provide proper allocations, etc.

- Jari - also some IETF things we need to get right. Any comments on NetLMM question? None, so will require change to be done.

Lisa Dusseault

- IDN proposed working group - lots of discussion and changes, not happy because changes won't help working group move faster - important to scope the work, but other discussions aren't helping. Design team doesn't agree on everything, which is true but normal. Just send out for external review before telechat?

- Russ - makes sense given amount of change. External review and then telechat. Vint is still on board to chair and engaging the working group.

Pasi Eronen

- have received two charter proposals for IPsec maintenance group people

want to set up.

- Jari - people were against this. Have they changed their minds?

Chris Newman

- LTRU - JFC has PR action, but everyone believes he's posting under another identity. BCP says you can block another e-mail address, but how to know it's the same person who is covered by the PR-action? Proposed ad hoc mechanism, chair has proposed on list and implemented, expecting appeal.
- Russ - LB says he won't do anything to prove his identity and won't appeal. Still might get ugly, but there you have it.
- Cullen - had similar situation where person wasn't willing to have a phone call, and postings ended.
- Ron - should probably mention phone calls as an option in BCP
- Russ - is purposely vague
- Chris - impressively vague - Marshall knew what he was doing

Magnus Westerlund

- closed MIDCOM (at least one "yahoo" happened here)

Return-Path: <iesg-bounces@ietf.org>  
X-Original-To: iesg-archive@ietf.org  
Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from [127.0.0.1] (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 6A7863A695E;  
Wed, 17 Dec 2008 07:32:10 -0800 (PST)  
X-Original-To: iesg@ietf.org  
Delivered-To: iesg@core3.amsl.com  
Received: by core3.amsl.com (Postfix, from userid 30)  
id 4F6BF3A693A; Wed, 17 Dec 2008 07:32:08 -0800 (PST)  
From: Magnus Westerlund <magnus.westerlund@ericsson.com>  
To: iesg@ietf.org  
Subject: DISCUSS and COMMENT: draft-ietf-calsify-rfc2445bis  
Content-Type: text/plain; charset="utf-8"

Mime-Version: 1.0  
Message-Id: <20081217153209.4F6BF3A693A@core3.amsl.com>  
Date: Wed, 17 Dec 2008 07:32:09 -0800 (PST)  
Cc: draft-ietf-calsify-rfc2445bis@tools.ietf.org, calsify-chairs@tools.ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

Discuss:

I will take on Lars comment and keep that as a discuss. There is a normative reference to RFC 1738 that is an obsoleted RFC. To my knowledge normative references is not allowed on a standards track document.

Is it necessary to include these scheme identifiers? Can it be done in some other way that doesn't make it into a normative ref?

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The ABNF is not formally correct:

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Return-Path: <iesg-bounces@ietf.org>  
X-Original-To: iesg-archive@ietf.org  
Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from [127.0.0.1] (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id C9C503A6938;  
Wed, 17 Dec 2008 09:16:58 -0800 (PST)

X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 2ACA43A6938  
for <iesg@core3.amsl.com>; Wed, 17 Dec 2008 09:16:57 -0800 (PST)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -8.024  
X-Spam-Level:  
X-Spam-Status: No, score=-8.024 tagged\_above=-999 required=5 tests=  
[AWL=1.575,  
BAYES\_00=-2.599, J\_BACKHAIR\_55=1, RCVD\_IN\_DNSWL\_HI=-8]  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id xZPb2cY0FgXK for <iesg@core3.amsl.com>;  
Wed, 17 Dec 2008 09:16:56 -0800 (PST)  
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[144.254.224.140])  
by core3.amsl.com (Postfix) with ESMTP id D00433A6936  
for <iesg@ietf.org>; Wed, 17 Dec 2008 09:16:55 -0800 (PST)  
X-IronPort-AV: E=Sophos;i="4.36,238,1228089600";  
d="scan'208";a="28923719"  
Received: from ams-dkim-1.cisco.com ([144.254.224.138])  
by ams-iport-1.cisco.com with ESMTP; 17 Dec 2008 17:16:47 +0000  
Received: from ams-core-1.cisco.com (ams-core-1.cisco.com  
[144.254.224.150])  
by ams-dkim-1.cisco.com (8.12.11/8.12.11) with ESMTP id  
mBHHG1ki012810;  
Wed, 17 Dec 2008 18:16:47 +0100  
Received: from xbh-ams-331.emea.cisco.com (xbh-ams-331.cisco.com  
[144.254.231.71])  
by ams-core-1.cisco.com (8.13.8/8.13.8) with ESMTP id  
mBHHG108001860;  
Wed, 17 Dec 2008 17:16:47 GMT  
Received: from xfe-ams-331.emea.cisco.com ([144.254.231.72]) by  
xbh-ams-331.emea.cisco.com with Microsoft SMTPSVC(6.0.3790.1830);  
Wed, 17 Dec 2008 18:16:47 +0100  
Received: from adsl-247-5-fixip.tiscali.ch ([10.61.83.143]) by  
xfe-ams-331.emea.cisco.com with Microsoft SMTPSVC(6.0.3790.1830);  
Wed, 17 Dec 2008 18:16:46 +0100  
Message-ID: <494933FE.6050503@cisco.com>  
Date: Wed, 17 Dec 2008 18:16:46 +0100  
From: Eliot Lear <lear@cisco.com>  
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US;  
rv:1.9.1b3pre) Gecko/20081214 Shredder/3.0b2pre

MIME-Version: 1.0  
To: Magnus Westerlund <magnus.westerlund@ericsson.com>  
Subject: Re: DISCUSS and COMMENT: draft-ietf-calsify-rfc2445bis  
References: <20081217153209.4F6BF3A693A@core3.amsl.com>  
In-Reply-To: <20081217153209.4F6BF3A693A@core3.amsl.com>  
Content-Type: text/plain; charset=UTF-8; format=flowed  
Content-Transfer-Encoding: 7bit  
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    FILETIME=[3DAA06D0:01C9606B]  
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    x=1230398207; c=relaxed/simple; s=amsdkim1002;  
    h=Content-Type:From:Subject:Content-Transfer-Encoding:MIME-  
Version;  
    d=cisco.com; i=lear@cisco.com;  
    z=From:=20Eliot=20Lear=20<lear@cisco.com>  
    |Subject:=20Re=3A=20DISCUSS=20and=20COMMENT=3A=20draft-ietf  
    -calsify-rfc2445bis |Sender:=20;  
    bh=kSRb7qdY8VmMhiXUHSKSoHE2sGp9+2ETTR/fchnIXD4=;  
    b=vyAMbXIaUqGxqVluluV+OyWDYRAVDgYwHWxw/j0iTfIwtfQ5UeGyS8sCuL  
    kHZKYy8q3z6KJ+mw2mFWm40NL1DSySEx2M0dhNWD0XkTLZmMNGqkGPbJfI1G  
    6UeQqrT2oD;  
Authentication-Results: ams-dkim-1; header.From=lear@cisco.com;  
dkim=pass (  
    sig from cisco.com/amsdkim1002 verified; );  
Cc: draft-ietf-calsify-rfc2445bis@tools.ietf.org, iesg@ietf.org,  
    calsify-chairs@tools.ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
    <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
    <<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

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As I look at the documents that "obsolete" 1738, one is the telnet URI and the other is the gopher URI scheme, neither of which were mentioned in rfc2445bis. For the URIs listed, are there later references? We could simply remove the references, and leave the IESG to deal with the fact that it appears that a portion of 1738 was obsoleted twice, where the authors probably intended to "updated".

>

>

> Is it necessary to include these scheme identifiers? Can it be done in some other way that doesn't make it into a normative ref?

>

My recollection was that this was feedback relating to a potential security concern about random URIs being passed and randomly interpreted. To quote Ted Hardie at one of our meetings, "then what?" Some URIs make positively no sense to list (telnet being a good example).

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> The ABNF is not formally correct:

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Thanks for catching that.

Eliot

Return-Path: <iesg-bounces@ietf.org>

X-Original-To: iesg-archive@ietf.org

Delivered-To: ietfarch-iesg-archive@core3.amsl.com

Received: from [127.0.0.1] (localhost [127.0.0.1])

by core3.amsl.com (Postfix) with ESMTP id 532DB3A67B0;

Wed, 17 Dec 2008 11:34:30 -0800 (PST)

X-Original-To: iesg@core3.amsl.com

Delivered-To: iesg@core3.amsl.com

Received: from localhost (localhost [127.0.0.1])

by core3.amsl.com (Postfix) with ESMTP id 786653A67B0  
for <iesg@core3.amsl.com>; Wed, 17 Dec 2008 11:34:28 -0800 (PST)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -2.439  
X-Spam-Level:  
X-Spam-Status: No, score=-2.439 tagged\_above=-999 required=5  
tests=[AWL=-0.841, BAYES\_00=-2.599, HTML\_MESSAGE=0.001,  
J\_BACKHAIR\_55=1]  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id XEmlV6Z+P0Bc for <iesg@core3.amsl.com>;  
Wed, 17 Dec 2008 11:34:27 -0800 (PST)  
Received: from rv-out-0506.google.com (rv-out-0506.google.com  
[209.85.198.234])  
by core3.amsl.com (Postfix) with ESMTP id 8BCE43A67A8  
for <iesg@ietf.org>; Wed, 17 Dec 2008 11:34:27 -0800 (PST)  
Received: by rv-out-0506.google.com with SMTP id b25so46305rvf.49  
for <iesg@ietf.org>; Wed, 17 Dec 2008 11:34:19 -0800 (PST)  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=gmail.com;  
s=gamma;  
h=domainkey-signature:received:received:message-id:date:from:to  
:subject:cc:in-reply-to:mime-version:content-type:references;  
bh=6KVVA5rwEeLN2zlnEfUwadHLyqrmhum1dF63RNRqKSs=;  
b=Nv00cyFDR57+rSejhxFYLWLmTQjG3hHofe  
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8FtCjyoGg6+H7JcSwFCW3wKueYgc3IF0UHAAiEsT72QnCXveaPUS  
+F2QNYwgnq2iAJhh  
cckqbFi2PBOPExpHxgTz0YsIR24fDRyZkafLk=  
DomainKey-Signature: a=rsa-sha1; c=noFWS; d=gmail.com; s=gamma;  
h=message-id:date:from:to:subject:cc:in-reply-to:mime-version  
:content-type:references;  
b=oz5T7XeTndY9HXo3GZHC3futrFNzYDqQYL7t5fm5hg0/  
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ekwioeePs6cBu5ohChPZm1phpFr9/1tCkcoMTJqn9jgld+DKwURBrTN1/  
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Received: by 10.140.162.21 with SMTP id k21mr252753rve.  
206.1229542459689;  
Wed, 17 Dec 2008 11:34:19 -0800 (PST)  
Received: by 10.141.201.10 with HTTP; Wed, 17 Dec 2008 11:34:19 -0800  
(PST)  
Message-ID:  
<ca722a9e0812171134t47867ed4t30be0767b02b909b@mail.gmail.com>  
Date: Wed, 17 Dec 2008 11:34:19 -0800

From: "Lisa Dusseault" <lisa.dusseault@gmail.com>  
To: "Eliot Lear" <lear@cisco.com>  
Subject: Re: DISCUSS and COMMENT: draft-ietf-calsify-rfc2445bis  
In-Reply-To: <494933FE.6050503@cisco.com>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
    boundary="-----\_Part\_11000\_27342571.1229542459681"  
References: <20081217153209.4F6BF3A693A@core3.amsl.com>  
    <494933FE.6050503@cisco.com>  
Cc: Magnus Westerlund <magnus.westerlund@ericsson.com>,  
    draft-ietf-calsify-rfc2445bis@tools.ietf.org, iesg@ietf.org,  
    calsify-chairs@tools.ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
    <mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
    <mailto:iesg-request@ietf.org?subject=subscribe>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

-----\_Part\_11000\_27342571.1229542459681  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

I believe making the reference to 1738 is the right thing for iCalendar.  
I  
don't actually see anything in the rules against normative references to  
obsolete documents as long as they obsoleted document was standards  
track :)

That said, this reference can easily be made informative. E.g. "An  
authoring agent MAY put an FTP URL [RFC1738] in this field but there is  
no  
requirement for that type of URL to be handled by the receiving/parsing  
agent."

Lisa

On Wed, Dec 17, 2008 at 9:16 AM, Eliot Lear <lear@cisco.com> wrote:

> On 12/17/08 4:32 PM, Magnus Westerlund wrote:  
>  
>> Discuss:  
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>  
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-----=\_Part\_11000\_27342571.1229542459681  
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Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

I believe making the reference to 1738 is the right thing for iCalendar.  I don't actually see anything in the rules against normative references to obsolete documents as long as they obsoleted document was standards track :)<br>

<br>That said, this reference can easily be made informative.  E.g. "An authoring agent MAY put an FTP URL [RFC1738] in this field but there is no requirement for that type of URL to be handled by the receiving/parsing agent."<br>

<br>Lisa<br><br><div class="gmail\_quote">On Wed, Dec 17, 2008 at 9:16 AM, Eliot Lear <span dir="ltr">&lt;

href="mailto:lear@cisco.com">lear@cisco.com</a>&gt;</span>

wrote:<br><blockquote class="gmail\_quote" style="border-left: 1px solid rgb(204, 204, 204); margin: 0pt 0pt 0pt 0.8ex; padding-left: 1ex;">

<div class="Ih2E3d">On 12/17/08 4:32 PM, Magnus Westerlund wrote:<br>

<blockquote class="gmail\_quote" style="border-left: 1px solid rgb(204, 204, 204); margin: 0pt 0pt 0pt 0.8ex; padding-left: 1ex;">

Discuss:<br>

I will take on Lars comment and keep that as a discuss. There is a normative reference to RFC 1738 that is an obsoleted RFC. To my knowledge normative references is not allowed on a standards track document.<br>

</blockquote>

<br></div>

As I look at the documents that "obsolete" 1738, one is the telnet URI and the other is the gopher URI scheme, neither of which were mentioned in rfc2445bis.  For the URIs listed, are there later references?  We could simply remove the references, and leave the IESG to deal with the fact that it appears that a portion of 1738 was

obsoleted twice, where the authors probably intended to  
&quot;updated&quot;.<div class="Ih2E3d">

<br>

<br>

<blockquote class="gmail\_quote" style="border-left: 1px solid rgb(204, 204, 204); margin: 0pt 0pt 0pt 0.8ex; padding-left: 1ex;">

<br>

<br>

Is it necessary to include these scheme identifiers? Can it be done in some other way that doesn't make it into a normative ref?<br>

&nbsp; <br>

</blockquote>

<br></div>

My recollection was that this was feedback relating to a potential security concern about random URIs being passed and randomly interpreted. &nbsp;To quote Ted Hardie at one of our meetings, &quot;then what?&quot; &nbsp;Some URIs make positively no sense to list (telnet being a good example).<div class="Ih2E3d">

<br>

<blockquote class="gmail\_quote" style="border-left: 1px solid rgb(204, 204, 204); margin: 0pt 0pt 0pt 0.8ex; padding-left: 1ex;">

Comment:<br>

The ABNF is not formally correct:<br>

<br>

There are some &nbsp;multi-line rules containing empty lines, like<br>calprops and many of the other<lt;x>props rules. I understand that this is for readability however, it is against the ABNF rules. I guess most text editors and the XML to RFC tool are against you in that they will strip the white spaces on the empty lines. Maybe try to get the RFC-editor to ensure that there are white spaces on the empty lines within rules.<br>

&nbsp; <br>

</blockquote>

<br></div>

Thanks for catching that.<br><font color="#888888">

<br>

Eliot<br>

<br>

</font></blockquote></div><br>

-----=\_Part\_11000\_27342571.1229542459681--

Return-Path: <iesg-bounces@ietf.org>

X-Original-To: iesg-archive@ietf.org

Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from [127.0.0.1] (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 8E1BC28C1E2;  
Wed, 17 Dec 2008 14:45:43 -0800 (PST)  
X-Original-To: iesg@ietf.org  
Delivered-To: iesg@core3.amsl.com  
Received: by core3.amsl.com (Postfix, from userid 30)  
id 838BE28C118; Wed, 17 Dec 2008 14:45:42 -0800 (PST)  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: The IESG <iesg@ietf.org>  
Subject: FINAL Agenda and Package for December 18, 2008 Telechat  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
Message-Id: <20081217224542.838BE28C118@core3.amsl.com>  
Date: Wed, 17 Dec 2008 14:45:42 -0800 (PST)  
Cc: avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the December 18, 2008 IESG Teleconference

This agenda was generated at 14:41:44 EDT, December 17, 2008  
Web version of this agenda can be found at:  
<http://www.ietf.org/IESG/agenda.html>

## 1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-tcpm-tcp-uto-10.txt  
TCP User Timeout Option (Proposed Standard) - 1 of 10  
Token: Magnus Westerlund
- o draft-ietf-forces-protocol-19.txt  
ForCES Protocol Specification (Proposed Standard) - 2 of 10  
Token: Ross Callon
- o draft-ietf-forces-mib-10.txt  
ForCES MIB (Proposed Standard) - 3 of 10  
Token: Ross Callon
- o draft-ietf-calsify-rfc2445bis-09.txt  
Internet Calendaring and Scheduling Core Object Specification  
(iCalendar)  
(Proposed Standard) - 4 of 10  
Token: Lisa Dusseault
- o draft-ietf-mext-nemo-v4traversal-07.txt  
Mobile IPv6 Support for Dual Stack Hosts and Routers (DSMIPv6)  
(Proposed  
Standard) - 5 of 10  
Token: Jari Arkko
- o draft-ietf-nfsv4-rpc-netid-05.txt  
IANA Considerations for RPC Net Identifiers and Universal Address  
Formats  
(Proposed Standard) - 6 of 10  
Note: Document Shepherd: Spencer Shepler (shepler@storspeed.com)  
Token: Lars Eggert
- o draft-ietf-ospf-lls-05.txt  
OSPF Link-local Signaling (Proposed Standard) - 7 of 10  
Token: David Ward
- o draft-ietf-pkix-ecc-subpubkeyinfo-11.txt  
Elliptic Curve Cryptography Subject Public Key Information (Proposed  
Standard) - 8 of 10  
Note: Document shepherd is stefans@microsoft.com  
Token: Pasi Eronen
- o draft-freed-sieve-ihave-03.txt  
Sieve Email Filtering: Ihave Extension (Proposed Standard) - 9 of 10  
Token: Lisa Dusseault
- o draft-ietf-mpis-cosfield-def-08.txt

Multi-Protocol Label Switching (MPLS) label stack entry: "EXP" field renamed to "Traffic Class" field (Proposed Standard) - 10 of 10  
Token: Ross Callon

2.1.2 Returning Item  
NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-kucherawy-sender-auth-header-18.txt  
Message Header Field for Indicating Message Authentication Status  
(Proposed Standard) - 1 of 1  
Token: Lisa Dusseault

2.2.2 Returning Item  
NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-mpls-ldp-igp-sync-03.txt  
LDP IGP Synchronization (Informational) - 1 of 3  
Token: David Ward
- o draft-ietf-llvpn-ospfv3-auto-discovery-02.txt  
OSPFv3 Based Layer 1 VPN Auto-Discovery (Experimental) - 2 of 3  
Token: David Ward
- o draft-ietf-roll-urban-routing-reqs-02.txt  
Urban WSNs Routing Requirements in Low Power and Lossy Networks (Informational) - 3 of 3  
Token: David Ward

3.1.2 Returning Item  
NONE

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"

#### 3.2.1 New Item

NONE

#### 3.2.2 Returning Item

NONE

### 3.3 Independent Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

The document shepherd must propose one of these responses in the Data Tracker note and supply complete text in the IESG Note portion of the write-up. The Area Director ballot positions indicate consensus with the response proposed by the document shepherd.

Other matters may be recorded in comments, and the comments will be passed on to the RFC Editor as community review of the document.

#### 3.3.1 New Item

NONE

#### 3.3.2 Returning Item

NONE

### 4. Working Group Actions

#### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Message Organization (morg) - 1 of 1  
Token: Chris Newman

##### 4.1.2 Proposed for Approval

NONE

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

- o Network Configuration (netconf) - 1 of 1

Token: Dan Romascanu  
4.2.2 Proposed for Approval  
NONE

5. IAB News We can use

6. Management Issue

6.1 Early RFC number assignment for draft-jerichow-msec-mikey-genext-  
oma  
(Tim Polk)

7. Agenda Working Group News

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the December 18, 2008 IESG Teleconference

This package was generated at 14:41:44 EDT, December 17, 2008.

1. Administrivia

1.1 Roll Call  
Dear IESG Members:

The next IESG teleconference will take place on Thursday, December 18, 2008 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, or if you wish to change your usual procedures for connecting to the call (as indicated in the list below), then please reply to this message as follows:

- o If you are unable to participate, then please write "Regrets" after your name.
- o If you normally call in, but will require operator assistance for this teleconference, then please provide the telephone number where you can be reached.
- o If you are normally connected to the teleconference by an operator, but will call in for this teleconference, then please write "Will call in" next to your name in place of the telephone number.

Loa Andersson---Will call in  
Jari Arkko---Will call in  
Marc Blanchet---Will call in  
Ron Bonica---Will call in  
Ross Callon---Will call in  
Michelle Cotton---Will call in  
Lisa Dusseault---Will call in  
Lars Eggert---Regrets  
Pasi Eronen---Will call in  
Marshall Eubanks---Will call in  
Sandy Ginoza---Will call in  
Russ Housley---Regrets  
Cullen Jennings---Will call in  
Olaf Kolkman---Will call in  
John Leslie---Will call in  
Cindy Morgan---Will call in  
Chris Newman---Will call in  
Ray Pelletier---Regrets  
Jon Peterson---Will call in  
Tim Polk---Will call in  
Dan Romascanu---Possible Regrets  
Mark Townsley---Will call in  
Amy Vezza---Will call in  
Dave Ward---Will call in  
Magnus Westerlund---Will call in

To join the teleconference, please call the appropriate dial-in number (see below) at 11:30 AM ET. If you have requested operator assistance, then an operator will call you and connect you to the call. Participants inside the U.S. should use the toll-free number 800-504-8071.

Participants outside the U.S. should use either one of the toll-free numbers listed at the end of this message, or the direct-dial number (also listed at the end of this message).

Participants using the direct-dial number will pay their own long distance charges through their own carriers. Participants dialing the toll-free number will not pay any charges for the conference. In some cases, participants from certain international countries may only use a direct-dial number.

All participants should enter the 7-digit access code 7309288 when prompted to do so. Please ignore the instructions for the call leader.

International Toll-Free Numbers:

| Country                       | Toll free number |
|-------------------------------|------------------|
| ARGENTINA (ARG)               | 08008007323      |
| AUSTRALIA (AUS)               | 1800359924       |
| AUSTRIA (AUT)                 | 0800291800       |
| BAHAMAS (BHS)                 | 18003890349      |
| BELARUS (BLR)                 | 882000110035     |
| BELGIUM (BEL)                 | 080039119        |
| BOTSWANA (BWA)                | 002698003000557  |
| BRAZIL (BRA)                  | 08008873239      |
| BULGARIA (BGR)                | 008001151067     |
| CANADA (CAN)                  | 8005048071       |
| CHILE (CHL)                   | 800532833        |
| CHINA UNIFIED (CHINA TELECOM) | 8008190328       |
| COLOMBIA (COL)                | 018009198715     |
| COSTA RICA (CRI)              | 08000150522      |
| CROATIA (HRV)                 | 0800222927       |
| CYPRUS (CYP)                  | 80096147         |
| CZECH REPUBLIC (CZE)          | 800142548        |
| DENMARK (DNK)                 | 80703116         |
| DOMINICAN REPUBLIC (DOM)      | 18887514523      |
| ECUADOR (ECU)                 | 1800010184       |
| ESTONIA (EST)                 | 8000100225       |
| FINLAND (FIN)                 | 0800772087       |
| FRANCE (FRA)                  | 0800941634       |
| GERMANY (DEU)                 | 08001014529      |
| GREECE (GRC)                  | 0080016122038715 |
| HUNGARY (HUN)                 | 0680015305       |
| ICELAND (ISL)                 | 8008086          |
| INDIA (IND)                   | 0008001006005    |
|                               | 0008001005002    |
|                               | 0008000012011    |
|                               | 000182           |
| INDONESIA (IDN)               | 0018030152030072 |
| IRELAND (IRL)                 | 1800719953       |
| ISRAEL (ISR)                  | 1809458715       |
| ITALY (ITA)                   | 800182599        |
| JAPAN (JPN)                   | 00531001557      |
| KAZAKHSTAN (KAZ)              | 88003337317      |
| KOREA, REPUBLIC OF (KOR)      | 00308140437      |
| KYRGYZSTAN (KGZ)              | 0080070077706    |
| LATVIA (LVA)                  | 80000742         |
| LUXEMBOURG (LUX)              | 80023947         |
| MALAYSIA (MYS)                | 1800807136       |
| MEXICO (MEX)                  | 0018005148260    |
| MOLDOVA, REPUBLIC OF (MDA)    | 080069001        |
| MONACO (MCO)                  | 80093340         |

NETHERLANDS (NLD) 08002658226  
NEW ZEALAND (NZL) 0800440066  
NORWAY (NOR) 80056403  
PANAMA (PAN) 008002269745  
PERU (PER) 080070373  
PHILIPPINES (PHL) 180011100764  
POLAND (POL) 008001114567  
PORTUGAL (PRT) 800780606  
ROMANIA (ROM) 0800895088  
RUSSIAN FEDERATION (RUS) 81080022641012  
SAINT KITTS AND NEVIS (KNA) 18007449281  
SINGAPORE (SGP) 8001011437  
SLOVAKIA (SVK) 0800004237  
SOUTH AFRICA (ZAF) 0800990941  
SPAIN (ESP) 900800373  
SWEDEN (SWE) 0201400591  
SWITZERLAND (CHE) 0800700285  
TAIWAN (TWN) 0809092289  
TAJIKISTAN (TJK) 8108003337317  
THAILAND (THA) 001800656917  
UKRAINE (UKR) 88005042610  
UNITED ARAB EMIRATES (ARE) 8000170894  
UNITED KINGDOM (GBR) 08004960579  
UNITED STATES (USA) 8005048071  
URUGUAY (URY) 00040190114  
UZBEKISTAN (UZB) 810800121006  
VENEZUELA (VEN) 08001004179

International Direct Dial Number:  
+1 3032480281

## Participant Conference Controls

- \* 6 Mute line
- \* 7 Unmute line
- \* \* List available commands

### 1.2 Bash the Agenda

### 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the December 11, 2008 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

## ATTENDEES

-----

Jari Arkko (Ericsson) / Internet Area  
Ron Bonica (Juniper Networks) / Operations and Management Area  
Ross Callon (Juniper Network) / Routing Area  
Michelle Cotton (ICANN) / IANA liaison  
Lisa Dusseault (OSAF) / Applications Area  
Lars Eggert (Nokia) / Transport Area  
Pasi Eronen (Nokia) / Security Area  
Sandy Ginoza (ISI) / RFC Editor liaison  
Russ Housley (Vigil Security, LLC) / IETF Chair, General Area  
Cullen Jennings (Cisco) / Real-time App. and Infra. Area  
John Leslie / Scribe  
Cindy Morgan (AMS) / IETF Secretariat  
Chris Newman (Sun Microsystems) / Applications Area  
Jon Peterson (NeuStar, Inc.) / Real-time App. and Infra. Area  
Tim Polk (NIST) / Security Area  
Dan Romascanu (Avaya) / Operations and Management Area  
Mark Townsley (Cisco) / Internet Area  
Amy Vezza (AMS) / IETF Secretariat  
Dave Ward (Cisco) / Routing Area  
Magnus Westerlund (Ericsson) / Transport Area

## REGRETS

-----

Loa Andersson (Acreo) / IAB Liaison  
Marc Blanchet (Viagenie, Inc.) / Scribe  
Marshall Eubanks (Multicast Tech) / Scribe  
Olaf Kolkman (NLnet Labs) / IAB Chair  
Ray Pelletier (ISOC) / IAD

## MINUTES

-----

### 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the December 04, 2008 Teleconference were approved. The Secretariat will place the minutes in the public archives.

The narrative minutes of the December 04, 2008 Teleconference were

approved. The Secretariat will place the narrative minutes in the public archives.

## 1.2 Documents Approved since the December 04, 2008 IESG Teleconference

### 1.2.1 Protocol Actions

- o draft-ietf-avt-rfc4749-dtx-update-03.txt (Proposed Standard)
- o draft-ietf-emu-eap-gpsk-17.txt (Proposed Standard)
- o draft-ietf-simple-imdn-10.txt (Proposed Standard)

### 1.2.2 Document Actions

NONE

## 1.3 Review of Action Items

DONE:

NONE

DELETED:

NONE

IN PROGRESS:

- o Magnus Westerlund to draft an IESG Statement on BCP 32.
- o Dave Ward to write up a project plan to document RSYNC
- o Russ Housley and Dave Ward to write the BCP 115 Exception Last Call.
- o Dan Romascanu to draft an IESG Statement recommending that proposed status for IETF documents reserving the values, numbers, addresses, etc. for example purposes should be BCP.

NEW:

- o Ron Bonica to draft a strawman for the IESG Statement regarding work that is chartered but is considered overcome by events before it reaches the IESG for consideration.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-rmt-bb-fec-basic-schemes-revised-06.txt - 1 of 11  
Basic Forward Error Correction (FEC) Schemes (Proposed Standard)

Token: Magnus Westerlund

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement that includes an RFC Editor Note.

o draft-ietf-nfsv4-rfc1831bis-10.txt - 2 of 11

RPC: Remote Procedure Call Protocol Specification Version 2 (Draft Standard)

Token: Lars Eggert

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert on behalf of IANA, Pasi Eronen, Russ Housley,

Cullen Jennings, Chris Newman, and Tim Polk.\*

o draft-ietf-avt-smpte-rtp-14.txt - 3 of 11

Associating Time-codes with RTP streams (Proposed Standard)

Token: Cullen Jennings

The document remains under discussion by the IESG in order to resolve points raised by Magnus Westerlund.\*

o draft-melnikov-imapext-filters-07.txt - 4 of 11

IMAP4 extension for named searches (filters) (Proposed Standard)

Token: Chris Newman

The document was approved by the IESG pending an RFC Editor Note to be prepared by Chris Newman. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-isis-hmac-sha-07.txt - 5 of 11

IS-IS Generic Cryptographic Authentication (Proposed Standard)

Token: Ross Callon

Dave Ward formally recused himself from the discussion. The document was approved by the IESG pending an RFC Editor Note to be prepared by Ross Callon. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-smime-sha2-09.txt - 6 of 11

Using SHA2 Algorithms with Cryptographic Message Syntax (Proposed Standard)

Token: Tim Polk

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert, Pasi Eronen, Chris Newman.\*

o draft-ietf-pce-path-key-05.txt - 7 of 11

Preserving Topology Confidentiality in Inter-Domain Path Computation Using

a Key-Based Mechanism (Proposed Standard)

Token: Ross Callon

The document was approved by the IESG pending an RFC Editor Note to be prepared by Ross Callon. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-mext-nemo-v4traversal-06.txt - 8 of 11

Mobile IPv6 Support for Dual Stack Hosts and Routers (Proposed Standard)

Token: Jari Arkko

The document was deferred to the next teleconference (12/18/2008) by Pasi

Eronen.\*

o draft-ietf-tcpm-rfc4138bis-04.txt - 9 of 11

Forward RT0-Recovery (F-RT0): An Algorithm for Detecting Spurious Retransmission Timeouts with TCP (Proposed Standard)

Token: Lars Eggert

The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-dhc-dhcpv6-bulk-leasequery-05.txt - 10 of 11

DHCPv6 Bulk Leasequery (Proposed Standard)

Token: Jari Arkko

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert.\*

o draft-ietf-avt-rtp-g719-04.txt - 11 of 11

RTP Payload format for G.719 (Proposed Standard)

Token: Cullen Jennings

Magnus Westerlund formally recused himself from the discussion. The document was approved by the IESG. The Secretariat will send a working group submission Protocol Action Announcement that includes an RFC Editor

Note prepared by Cullen Jennings.

#### 2.1.2 Returning Item

o draft-ietf-nsis-ntlp-17.txt - 1 of 1

GIST: General Internet Signalling Transport (Proposed Standard)

Token: Magnus Westerlund

The document remains under discussion by the IESG in order to resolve points raised by Dave Ward.\*

#### 2.2 Individual Submissions

##### 2.2.1 New Item

o draft-daboo-imap-annotatemore-16.txt - 1 of 1

IMAP METADATA Extension (Proposed Standard)

Token: Chris Newman

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Tim Polk.\*

##### 2.2.2 Returning Item

NONE

#### 3. Document Actions

##### 3.1 WG Submissions

###### 3.1.1 New Item

o draft-ietf-lemonade-architecture-04.txt - 1 of 2

LEMONADE Architecture - Supporting Open Mobile Alliance (OMA) Mobile Email

(MEM) using Internet Mail (Informational)

Token: Chris Newman

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

o draft-ietf-mpls-te-scaling-analysis-04.txt - 2 of 2

An Analysis of Scaling Issues in MPLS-TE Core Networks (Informational)

Token: Ross Callon

The document remains under discussion by the IESG in order to resolve points raised by Tim Polk.\*

### 3.1.2 Returning Item

NONE

## 3.2 Individual Submissions Via AD

### 3.2.1 New Item

o draft-jerichow-msec-mikey-genext-oma-00.txt - 1 of 3

MIKEY General Extension Payload for OMA BCAST 1.0 (Informational)

Token: Tim Polk

The document was approved by the IESG. The Secretariat will send a working group submission Document Action Announcement.

o draft-housley-internet-draft-sig-file-06.txt - 2 of 3

Digital Signatures on Internet-Draft Documents (Informational)

Token: Tim Polk

Russ Housley formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Chris Newman.\*

o draft-igoe-secsh-aes-gcm-01.txt - 3 of 3

AES Galois Counter Mode for the Secure Shell Transport Layer Protocol (Informational)

Token: Tim Polk

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen.\*

### 3.2.2 Returning Item

NONE

## 3.3 Independent Submissions Via RFC Editor

### 3.3.1 New Item

o draft-irtf-asrg-dnsbl-08.txt - 1 of 1

DNS Blacklists and Whitelists (Informational)

Token: Lisa Dusseault

The IESG has no problem with the IRTF publishing this document. The

Secretariat will send the "no problem" message to the IRSG.

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for Approval

NONE

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

NONE

## 5. IAB News We Can Use

## 6. Management Issues

### 6.1 Executive session: Appeal of DNSOP WG Decision of September 13, 2008 (Lisa Dusseault)

The management issue was discussed in an executive session of the IESG. Ron Bonica and Russ Housley formally recused themselves from the discussion. The IESG approved the response to the appeal.

### 6.2 Expedite draft-ietf-avt-rtp-g719 (Cullen Jennings)

The management issue was discussed. The IESG approved expedited handling

of draft-ietf-avt-rtp-g719.

### 6.3 draft-hajjeh-tls-identity-protection (Pasi Eronen)

The management issue was discussed. The IESG requested an additional  
3932

review if there are changes to the IANA considerations.

## 6.4 RFC Editor and License (Cullen Jennings)

The management issue was discussed.

## 7. Working Group News We Can Use

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\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG

### 1. Administrivia

#### 1.4 Review of Action Items

OUTSTANDING TASKS      Last updated: December 11, 2008  
IP      o Magnus Westerlund to draft an IESG Statement on BCP 32.  
IP      o Dave Ward to write up a project plan to document RSYNCIP  
o Russ Housley and Dave Ward to write the BCP 115 Exception Last Call.  
IP      o Dan Romascanu to draft an IESG Statement recommending that proposed status for IETF documents reserving the values, numbers, addresses,  
  
etc. for example purposes should be BCP.IP      o Ron Bonica to draft a strawman for the IESG Statement regarding work that is chartered but is considered overcome by events before it reaches the IESG for consideration.

### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

#### 2.1 WG Submissions

##### 2.1.1 New Item - 1 of 10

- o draft-ietf-tcpm-tcp-uto-10.txt  
TCP User Timeout Option (Proposed Standard)  
Token: Magnus Westerlund

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-tcpm-tcp-uto-10.txt to Proposed Standard  
-----

Evaluation for draft-ietf-tcpm-tcp-uto-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=13162&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13162&rfc_flag=0)

Last Call to expire on: 2008-11-25

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ron Bonica        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ ]          | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ R ]   |
| Pasi Eronen       | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ X ]   | [ ]     |
| Cullen Jennings   | [ ]   | [ ]          | [ ]     | [ ]     |
| Chris Newman      | [ ]   | [ ]          | [ X ]   | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Tim Polk          | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ ]          | [ ]     | [ ]     |
| David Ward        | [ ]   | [ ]          | [ ]     | [ ]     |
| Magnus Westerlund | [ X ] | [ ]          | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Pasi Eronen:

Discuss [2008-12-15]:

I have reviewed draft-ietf-tcpm-tcp-uto-10. Overall, the document  
looks good, but I have one concern that I'd like to discuss before  
recommending approval of the document:

If the data cited in Section 4.1 is a reasonable approximation of reality -- and 3% of TCP connections would fail -- doesn't this mean that either (a) no popular OS or popular application (such as email, IM, or SSH client -- all of which would potentially benefit from longer timeouts) can enable this by default, or (b) it has to implement some kind of recovery logic (if using UTO fails, disable it and establish new connection without UTO). (Totally failing for 3% of users does not sound like a realistic option for things intended to be used by "ordinary users" -- instead of, say, network engineers for interplanetary stuff.)

If this is the case, it should be mentioned in e.g. Section 4.1, possibly sketching how the recovery logic would work (so each app doesn't have to reinvent it, possible badly).

Russ Housley:

Discuss [2008-12-12]:

In the Gen-ART Review from Scott Brim, a significant question was raised, and the WG has not provided an answer. Scott asked:

- >
- > Since a UTO can apparently be sent at any time, what happens
- > if a UTO is received that shortens the timeout and there are
- > unacknowledged packets that are already beyond the new timeout
- > value?

Chris Newman:

Discuss [2008-12-15]:

Is the intention to have this be used only by operating system software? Or should this be made visible to applications? If the latter is the case, is there work in progress to define the identifiers and structures that would be used with setsockopt() so this would have a chance of deploying?

Applications sometimes have information about the desirability of long lived connections. For example, HTTP wouldn't benefit from longer user timeouts, IMAP+TLS benefits quite a bit, while SSH could benefit a great deal (especially if the user has spent time setting up multiple data tunnels). But as we've seen with the IPv6 mess prior to getaddrinfo, if the socket extension identifiers/structures aren't nailed down early deployment is slowed greatly when communication between the transport and application layers is needed.

Also, because communication of timeout information between the TCP

stack and application software has been so poor in the past, quality server applications will put sockets in non-blocking mode and implement their own timeouts with select/poll or equivalent and shut down the socket. If applications have no way to communicate this to the TCP stack, the stack could negotiate a timeout longer than the application timeout and thus create a false expectation for connection retention.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
tcpm mailing list <tcpm@ietf.org>,  
tcpm chair <faber@isi.edu>,  
tcpm chair <mallman@icir.org>  
Subject: Protocol Action: 'TCP User Timeout Option' to Proposed  
Standard

The IESG has approved the following document:

- 'TCP User Timeout Option '  
<draft-ietf-tcpm-tcp-uto-02.txt> as a Proposed Standard

This document is the product of the TCP Maintenance and Minor Extensions Working Group.

The IESG contact persons are Allison Mankin and Jon Peterson.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-tcpm-tcp-uto-02.txt>

Technical Summary:

This document calls for an option to all TCP endpoints to request peers to set the user-timeout to a particular value. The motivation behind this option is hosts that understand that they will be unavailable for a lengthy period of time and can thus inform their peer of this phenomenon such that the peer can prevent the normal connection aborting procedures from reaping the connection. The information is advisory and therefore the peer is still able to abort the connection (e.g., in times of

resource contention).

#### Working Group Summary

Given that the information exchanged is advisory, the TCPM WG has consensus that this option is perfectly reasonable.

#### Document Quality

The document was reviewed for quality by a large number of TCPM WG members.

#### Personel

Responsible AD was Magnus Westerlund. WG shepherd is Wesley Eddy.

#### Note to RFC Editor

(Insert note to RFC Editor here)

#### IESG Note

(Insert IESG Note here)

#### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 10

- o draft-ietf-forces-protocol-19.txt  
ForCES Protocol Specification (Proposed Standard)  
Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-forces-protocol-19.txt to Proposed  
Standard

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Evaluation for draft-ietf-forces-protocol-19.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=12322&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12322&rfc_flag=0)

Last Call to expire on: 2008-09-08

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ron Bonica        | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ross Callon       | [ X ] | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ ]          | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Pasi Eronen       | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ ]          | [ ]     | [ ]     |
| Chris Newman      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Tim Polk          | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ ]          | [ ]     | [ ]     |
| David Ward        | [ ]   | [ ]          | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ ]          | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,  
forces mailing list <forces@peach.ease.lsoft.com>,  
forces chair <forces-chairs@tools.ietf.org>  
Subject: Protocol Action: 'ForCES Protocol Specification' to  
Proposed Standard

The IESG has approved the following document:

- 'ForCES Protocol Specification '  
<draft-ietf-forces-protocol-09.txt> as a Proposed Standard

This document is the product of the Forwarding and Control Element Separation Working Group.

The IESG contact persons are Ross Callon and David Ward.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-forces-protocol-09.txt>

#### Technical Summary

This document specifies the Forwarding and Control Element Separation (ForCES) protocol. ForCES protocol is used for communications between Control Elements (CEs) and Forwarding Elements (FEs) in a ForCES Network Element (ForCES NE). This specification is intended to meet the ForCES protocol requirements defined in RFC3654. Besides the ForCES protocol, this specification also defines the requirements for the Transport Mapping Layer (TML).

#### Working Group Summary

No dissent reported. This document is the result of a merger of several proposals from competing design teams and represents a good WG consensus.

#### Protocol Quality

There are at least four different implementations of this protocol (see the PROTO writeup in the tracker). This specification has been extensively reviewed, and has been updated based on these reviews including routing directorate reviews by Sue Hares and Alia Atlas, Gen-Art review by Eric Gray, and Sec-Dir review by Uri Blumenthal.

#### Note to RFC Editor

(Insert note to RFC Editor here)

## IESG Note

(Insert IESG Note here)

## IANA Note

Jamal Hadi Salim [hadi@znyx.com] has volunteered to be the designated IANA expert for this document.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 10

- o draft-ietf-forces-mib-10.txt  
ForCES MIB (Proposed Standard)  
Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-forces-mib-10.txt to Proposed Standard  
-----

Evaluation for draft-ietf-forces-mib-10.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=14188&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=14188&rfc_flag=0)

Last Call to expire on: 2008-09-08

Please return the full line with your position.

|            | Yes | No-Objection | Discuss | Abstain |
|------------|-----|--------------|---------|---------|
| Jari Arkko | [ ] | [ ]          | [ ]     | [ ]     |
| Ron Bonica | [ ] | [ X ]        | [ ]     | [ ]     |

|                   |       |       |     |     |
|-------------------|-------|-------|-----|-----|
| Ross Callon       | [ X ] | [ ]   | [ ] | [ ] |
| Lisa Dusseault    | [ ]   | [ X ] | [ ] | [ ] |
| Lars Eggert       | [ ]   | [ ]   | [ ] | [ ] |
| Pasi Eronen       | [ ]   | [ ]   | [ ] | [ ] |
| Russ Housley      | [ ]   | [ X ] | [ ] | [ ] |
| Cullen Jennings   | [ ]   | [ ]   | [ ] | [ ] |
| Chris Newman      | [ ]   | [ X ] | [ ] | [ ] |
| Jon Peterson      | [ ]   | [ ]   | [ ] | [ ] |
| Tim Polk          | [ ]   | [ ]   | [ ] | [ ] |
| Dan Romascanu     | [ X ] | [ ]   | [ ] | [ ] |
| Mark Townsley     | [ ]   | [ ]   | [ ] | [ ] |
| David Ward        | [ ]   | [ ]   | [ ] | [ ] |
| Magnus Westerlund | [ ]   | [ ]   | [ ] | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Dan Romascanu:

Comment [2008-12-10]:

This document underwent MIB Doctors reviews from John Flick and Bert Wijnen. It

would be nice to mention them in the Protocol Quality section of the announcement together with the other reviews and to acknowledge the contribution

of the two MIB Doctors in the document (right now only John is mentioned).

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

forces mailing list <forces@peach.ease.lsoft.com>,

forces chair <forces-chairs@tools.ietf.org>

Subject: Protocol Action: 'ForCES MIB' to \*\*\* YOU MUST SELECT AN  
INTENDED STATUS FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

The IESG has approved the following document:

- 'ForCES MIB '

<draft-ietf-forces-mib-05.txt> as \*\*\* YOU MUST SELECT AN INTENDED STATUS FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document is the product of the Forwarding and Control Element Separation Working Group.

The IESG contact persons are Ross Callon and David Ward.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-forces-mib-05.txt>

### Technical Summary

This memo defines a Management Information Base (MIB) module for use with network management protocols in the Internet community. In particular, it defines managed objects for the Forwarding and Control Element Separation (ForCES) Network Element (NE).

### Working Group Summary

This is the MIB that goes with the Forces Protocol (see draft-ietf-forces-protocol). This document was produced very smoothly in the Forces WG. There were some discussions on the mailing list but no conflicts (see PROTO writeup in the ID Tracker).

### Protocol Quality

There are at least 4 different implementations of the ForCES protocol. One university indicated that they are also working on the implementation of the MIB. The MIB has had Gen-Art and Sec-Dir reviews, as well as MIB-Dr reviews by John Flick and Bert Wijnen.

### Note to RFC Editor

(Insert note to RFC Editor here)

### IESG Note

(Insert IESG Note here)

### IANA Note

(Insert IANA Note here)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 10

- o draft-ietf-calsify-rfc2445bis-09.txt

Internet Calendaring and Scheduling Core Object Specification (iCalendar)

(Proposed Standard)

Token: Lisa Dusseault

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-calsify-rfc2445bis-09.txt to Proposed Standard

-----

Evaluation for draft-ietf-calsify-rfc2445bis-09.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=13988&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=13988&rfc_flag=0)

Last Call to expire on: 2008-11-18

Please return the full line with your position.

|                | Yes   | No-Objection | Discuss | Abstain |
|----------------|-------|--------------|---------|---------|
| Jari Arkko     | [ ]   | [ ]          | [ ]     | [ ]     |
| Ron Bonica     | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon    | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault | [ X ] | [ ]          | [ ]     | [ ]     |
| Lars Eggert    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Pasi Eronen    | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley   | [ ]   | [ X ]        | [ ]     | [ ]     |

|                   |     |     |       |     |
|-------------------|-----|-----|-------|-----|
| Cullen Jennings   | [ ] | [ ] | [ ]   | [ ] |
| Chris Newman      | [ ] | [ ] | [ ]   | [ ] |
| Jon Peterson      | [ ] | [ ] | [ ]   | [ ] |
| Tim Polk          | [ ] | [ ] | [ ]   | [ ] |
| Dan Romascanu     | [ ] | [ ] | [ ]   | [ ] |
| Mark Townsley     | [ ] | [ ] | [ ]   | [ ] |
| David Ward        | [ ] | [ ] | [ ]   | [ ] |
| Magnus Westerlund | [ ] | [ ] | [ X ] | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Lars Eggert:

Comment [2008-12-16]:

Section 3.2.6., paragraph 5:

> Description: This parameter can be specified on properties with a  
 > CAL-ADDRESS value type. The parameter specifies a reference to  
 > the directory entry associated with the calendar user specified  
 by  
 > the property. The parameter value SHOULD be a CID [RFC2392],  
 DATA  
 > [RFC2397], FILE [RFC1738], FTP [RFC1738], HTTP [RFC2616], HTTPS  
 > [RFC2818], LDAP [RFC4516], or MID [RFC2392] URI. The URI  
 > parameter value MUST be specified in a quoted-string.

What's the status of "file://" and "ftp://"? RFC1738 was obsoleted, and while "telnet://" and "gopher://" have been resurrected (RFC 4248, RFC 4266), I couldn't locate an RFC that did the same for these two.

(Making this a comment, since I won't be on the call and I don't want to block.)

Russ Housley:

Comment [2008-12-12]:

This minor error was caught in the Gen-ART Review by Gonzalo Camarillo:

OLD:

This property SHOULD not be used to alter the interpretation of  
NEW:

This property SHOULD NOT be used to alter the interpretation of

Magnus Westerlund:

Discuss [2008-12-17]:

I will take on Lars comment and keep that as a discuss. There is a  
normative

reference to RFC 1738 that is an obsoleted RFC. To my knowledge

normative

references is not allowed on a standards track document.

Is it necessary to include these scheme identifiers? Can it be done in  
some

other way that doesn't make it into a normative ref?

Comment [2008-12-17]:

The ABNF is not formally correct:

There are some multi-line rules containing empty lines, like  
calprops and many of the other <x>props rules. I understand that this is  
for

readability however, it is against the ABNF rules. I guess most text  
editors and

the XML to RFC tool are against you in that they will strip the white  
spaces on

the empty lines. Maybe try to get the RFC-editor to ensure that there  
are

white

spaces on the empty lines within rules.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

calsify mailing list <ietf-calsify@osafoundation.org>,

calsify chair <calsify-chairs@tools.ietf.org>

Subject: Protocol Action: 'Internet Calendaring and Scheduling

Core Object Specification (iCalendar)' to Proposed Standard

The IESG has approved the following document:

- 'Internet Calendaring and Scheduling Core Object Specification (iCalendar) ' <draft-ietf-calsify-rfc2445bis-09.txt> as a Proposed Standard

This document is the product of the Calendaring and Scheduling Standards Simplification Working Group.

The IESG contact persons are Lisa Dusseault and Chris Newman.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-calsify-rfc2445bis-09.txt>

#### Technical Summary

This document defines the iCalendar data format for representing and exchanging calendaring and scheduling information such as events, to-dos, journal entries and free/busy information, independent of any particular calendar service or protocol.

#### Working Group Summary

The working group proceeded with the work in an orderly fashion, opening tickets for all the found issues in the original RFC2445, and then systematically closing them until no known issues remained.

#### Document Quality

There are a number of existing implementations of the original RFC2445 specification that are likely to upgrade their implementation to the new specification.

During the process of developing this document, the CalConnect.org industry consortium provided various types of vendor feedback and errata over the original specification.

The working group took special care to take into account this feedback as well as the feedback received from a number of other contributors, some of which are also mentioned in the document's Acknowledgements section.

#### Personnel

Document Shepherd: Aki Niemi <aki.niemi@nokia.com>

Responsible AD: Lisa Dusseault <lisa@osafoundation.org>

The IANA Expert(s) for the registries in this document are Cyrus Daboo and Bernard Desruisseaux.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 10

- o draft-ietf-mext-nemo-v4traversal-07.txt

Mobile IPv6 Support for Dual Stack Hosts and Routers (DSMIPv6)

(Proposed

Standard)

Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mext-nemo-v4traversal-07.txt to Proposed Standard

-----

Evaluation for draft-ietf-mext-nemo-v4traversal-07.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=16873&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16873&rfc_flag=0)

Last Call to expire on: 2008-11-18

Please return the full line with your position.

|             | Yes   | No-Objection | Discuss | Abstain |
|-------------|-------|--------------|---------|---------|
| Jari Arkko  | [ X ] | [ ]          | [ ]     | [ ]     |
| Ron Bonica  | [ ]   | [ X ]        | [ ]     | [ ]     |
| Ross Callon | [ ]   | [ ]          | [ X ]   | [ ]     |

|                   |     |       |       |     |
|-------------------|-----|-------|-------|-----|
| Lisa Dusseault    | [ ] | [ ]   | [ ]   | [ ] |
| Lars Eggert       | [ ] | [ ]   | [ X ] | [ ] |
| Pasi Eronen       | [ ] | [ ]   | [ X ] | [ ] |
| Russ Housley      | [ ] | [ ]   | [ X ] | [ ] |
| Cullen Jennings   | [ ] | [ X ] | [ ]   | [ ] |
| Chris Newman      | [ ] | [ X ] | [ ]   | [ ] |
| Jon Peterson      | [ ] | [ ]   | [ ]   | [ ] |
| Tim Polk          | [ ] | [ ]   | [ ]   | [ ] |
| Dan Romascanu     | [ ] | [ ]   | [ ]   | [ ] |
| Mark Townsley     | [ ] | [ ]   | [ ]   | [ ] |
| David Ward        | [ ] | [ ]   | [ X ] | [ ] |
| Magnus Westerlund | [ ] | [ X ] | [ ]   | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ross Callon:

Discuss [2008-12-11]:

I don't believe that this spec is remotely close to complete for the general case of mobile IPv4/IPv6 routers. Unless I am missing something, this is really a document for mobile hosts. The easiest way to resolve this, at least for this one document, is probably to remove the "and routers" from the title and a very few places in the draft (I think just the fourth paragraph in section 2). Alternately, has this been thought through for a very specific type of router, such as the NAT box / wireless router that sits between many home networks and the DSL/Cable connection to an ISP? If so, then the scope of what routers this applies to should be described.

Lars Eggert:

Discuss [2008-12-16]:

(Updated 2008-12-16)

Some of the issues raised in Colin Perkins' tsv-fir review seem to not have been addressed in -07. I may not have been CC'ed on all the emails - it would be useful if the authors would respond to his review and briefly outline how each issue got handled.

Comment [2008-12-10]:

Section 2., paragraph 0:

> Note also that documents published as "RFC Editor  
> contributions" [RFC3978] are not considered to be IETF documents.

I think you want to refer to the different streams defined in RFC4844 here, rather than to the long-obsolete RFC3987.

Pasi Eronen:

Discuss [2008-12-17]:

I have reviewed draft-ietf-mext-nemo-v4traversal-07, and I have the following concerns that I'd like to discuss (before moving to "abstain" -- see below).

The text about TLV-header and GRE tunneling seems vastly underspecified, and unlikely to lead to interoperability. For example:

- Apparently the 'T' bit does means only that MN supports the general TLV format; it may not support any of the specific TLV types, such as GRE (and new ones may be defined in the future). How this is supposed to work?
- There's no text describing how GRE tunneling is actually done; for example, how the various parts of GRE header are set/used in the context of Mobile IPv6, how that interacts with RFC 4877, etc.
- Why does the TLV header include the "Length" field? (since the length is already known from the outer header) Can there be multiple TLVs inside one packet, or something?
- Section 5.1 says "The Type field is limited to values of 0 and 1 to make sure that the receiver can tell the difference between the

Type field and the IP version field in a packet that contains an IP header after UDP." Does that mean that IANA sections should say the registry has just a single unallocated value (0)?

The text is unclear whether UDP tunneling (either vanilla or TLV) can be used when in IPv6 network (that is, IPv6 care-of address). Most of the text (e.g. 1st sentence of Section 5.4.3) indicates it cannot be used (when in IPv6 network, MN works as in RFC 3775), but some parts (e.g. third figure in Section 5.1, 3rd paragraph in Section 6) suggest it can. If it's the former, I'd suggest adding text like "This flag MUST NOT be set when IPv6 Care-Of Address is used" to Sections 4.1.3, 4.2.2, 4.2.3 (and fixing 5.1). If it's the latter, there's more work to do.

#### Section 3.1:

- > Note that the use of [I-D.ietf-mip6-bootstrapping-integrated-dhc]
- > cannot give the mobile node information that allows it to continue
- > to communicate with the home agent if, for example, the mobile node
- > moved from an IPv6- enabled network to an IPv4-only network.

This seems incorrect -- this draft can give you e.g. the IPv4 address of the home agent, so the MN can continue to communicate with the HA if it moves to an IPv4-only network. This sentence probably means that if the MN is in an IPv4-only network, and it already doesn't have this information, it can't use this draft to obtain it (since it's based on DHCPv6, not DHCPv4)?

#### Section 3.2:

- > Securing these messages requires the mobile node to have a
- > security association with the home agent, using IPsec (AH or ESP)
- > and based on the mobile node's IPv4 care-of address as described
- > in [RFC3775]. Since the mobile node needs to encapsulate all IPv6
- > traffic sent to the home agent into IPv4 while located in an
- > IPv4-only visited network, this SA would match all packets if the
- > selectors were based on the information in the outer header.

This looks strange (when using tunnel mode IPsec, the selectors select the packets to be protected before the outer header is added -- so the last sentence is weird) -- what are the IPsec SPD entries, and what does the resulting packet look like?

Section 5.3 should mention that two sets of keepalives have to be sent (one for DSMIPv6 port, another for 4500).

Comment [2008-12-17]:

While IPsec may have been a reasonable solution for the security requirements of RFC 3775, this draft (and the multiplecoa draft) IMHO clearly show that IPsec is not an appropriate solution for these MIPv6 extensions. (Or put another way: back then, the problem did look like a nail, and IPsec was an appropriate hammer to solve it. The problems we're now dealing are different, and don't resemble nails any more.)

Once the concerns in my "discuss" have been addressed (which should not be very difficult), I intend to ballot "abstain".

Russ Housley:

Discuss [2008-12-14]:

Draft -07 was generated to handle the Gen-ART Review comments from Brian Carpenter. Brian raised two more comments when the new version was posted:

1. A normative reference to an Informational RFC needs to be handled by the downref procedure. That concerns RFC 2983 and RFC 4459.
2. Several normative references are listed as informative. That's a matter of judgement and consensus, so the WG and the IESG are free to disagree. The fact that GRE is only an optional feature doesn't prevent it being a normative reference, however; the question is whether an implementer can implement that option without reading RFC 2784. The same applies to all the other cases Brian suggested should be normative.

David Ward:

Discuss [2008-12-10]:

The document specifies that it is to cover the specification for mobile routers as well as hosts. In fact, nothing is called out for routers. In particular, given there are many issues for mobile routers and routers in mobile ad hoc networks; I would have expected at least references to issues associated with mobile routers. The term "router" is used only twice in the document.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mext mailing list <mext@ietf.org>,

mext chair <mext-chairs@tools.ietf.org>

Subject: Protocol Action: 'Mobile IPv6 Support for Dual Stack  
Hosts and Routers' to Proposed Standard

The IESG has approved the following document:

- 'Mobile IPv6 Support for Dual Stack Hosts and Routers '  
<draft-ietf-mext-nemo-v4traversal-06.txt> as a Proposed Standard

This document is the product of the Mobility EXTensions for IPv6 Working Group.

The IESG contact persons are Jari Arkko and Mark Townsley.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-mext-nemo-v4traversal-06.txt>

Technical Summary

The current Mobile IPv6 and NEMO specifications support IPv6 only. This specification extends those standards to allow the registration of IPv4 addresses and prefixes, respectively, and the transport of both IPv4 and IPv6 packets over the tunnel to the home agent. This specification also allows the Mobile Node to roam over both IPv6 and IPv4, including the case where Network Address Translation is present on the path between the mobile node and its home agent.

Working Group Summary

This document is a product of the Mobility EXTensions for IPv6 (MEXT) working group.

Document Quality

Pasi Eronen reviewed the specification and his comments regarding interaction of DSMIPv6 with the IPsec architecture were resolved.

Personnel

The Document Shepherd for this document is Julien Laganier (MEXT WG co-chair). The Responsible Area Director is Jari Arkko (Internet Area Director).

#### RFC Editor Note

Please add the following paragraph to the end of Section 5.4.4:

This specification does not support mobile nodes returning home while using IPv4. That is, the IPv4 support is only defined for mobile nodes that are in a visited network.

#### IRTF Note

(Insert IRTF Note here or remove section)

#### IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 10

- o draft-ietf-nfsv4-rpc-netid-05.txt

IANA Considerations for RPC Net Identifiers and Universal Address Formats

(Proposed Standard)

Note: Document Shepherd: Spencer Shepler (shepler@storspeed.com)

Token: Lars Eggert

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-nfsv4-rpc-netid-05.txt to Proposed  
Standard  
-----

Evaluation for draft-ietf-nfsv4-rpc-netid-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17646&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17646&rfc_flag=0)

Last Call to expire on: 2008-12-05

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ron Bonica        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ X ] | [ ]          | [ ]     | [ ]     |
| Pasi Eronen       | [ ]   | [ ]          | [ X ]   | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ ]          | [ ]     | [ ]     |
| Chris Newman      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Tim Polk          | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ ]          | [ ]     | [ ]     |
| David Ward        | [ ]   | [ ]          | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

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Lisa Dusseault:

Comment [2008-12-17]:

I don't understand why this document has both registered netids and  
constants.

That seems redundant to me.

Pasi Eronen:

Discuss [2008-12-16]:

I have reviewed draft-ietf-nfsv4-rpc-netid-05. Overall, the document looks good, but I have the following concerns that I'd like to discuss before recommending approval of the document:

The document seems to assume that a pointer to a transport protocol spec (e.g. RFC 4340 for DCCP or RFC 2960 for SCTP) is enough to describe how to use it with RPC. I'm not sure that's always the case. For example, RFC 1831 specifies record marking for TCP. With SCTP, you could either use the same approach (as is done in some protocols over SCTP), or SCTP's own fragmentation. With DCCP, you need to know the "Service Code" (in addition to IP address/port number) to open a connection. And there may be other details, too.

In particular, are there existing implementations of dccp/dccp6 and sctp/sctp6? If not, consider leaving their registration later. If yes, is there any written documentation about how they use DCCP/SCTP? (For the tcp/tcp6 entries, I'd also suggest adding a pointer to RFC 1831)

Another question: Section 4.2 says "All requests for assignments to the format registry on a Standards Action basis must undergo Expert Review and must be approved by IESG". Expert Review+IESG Approval is one possible IANA policy for this registry, but it's not the same as Standards Action. Please clarify which is meant.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

nfsv4 mailing list <nfsv4@ietf.org>,

nfsv4 chair <nfsv4-chairs@tools.ietf.org>

Subject: Protocol Action: 'IANA Considerations for RPC Net

Identifiers and Universal Address Formats' to Proposed Standard

The IESG has approved the following document:

- 'IANA Considerations for RPC Net Identifiers and Universal Address Formats '  
<draft-ietf-nfsv4-rpc-netid-03.txt> as a Proposed Standard

This document is the product of the Network File System Version 4 Working

Group.

The IESG contact persons are Lars Eggert and Magnus Westerlund.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-nfsv4-rpc-netid-03.txt>

#### Technical Summary

This Internet-Draft lists IANA Considerations for RPC Network Identifiers (netids) and RPC Universal Network Addresses (uaddrs). This Internet-Draft updates, but does not replace, RFC1833.

#### Working Group Summary

In support of the RDMA Transport for ONC RPC Internet Draft and other users of ONC RPC based protocols, registries of netids and universal network addresses are described and the procedure established for future registration. This is a step forward in the support of varying transport types and protocol extensions.

#### Document Quality

This document captures current registrations and allows for equitable future extension such that established implementations are protected in an environment of integrating new transport types.

#### Personnel

Spencer Shepler ([shepler@storspeed.com](mailto:shepler@storspeed.com)) is the document shepherd.  
Lars Eggert ([lars.eggert@nokia.com](mailto:lars.eggert@nokia.com)) reviewed the document for the IESG.

#### RFC Editor Note

Please make the following replacements to the document references:

RFC2960 -> RFC4960

RFC1831 -> draft-ietf-nfsv4-rfc1831bis

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 10

- o draft-ietf-ospf-lls-05.txt  
OSPF Link-local Signaling (Proposed Standard)  
Token: David Ward

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ospf-lls-05.txt to Proposed Standard

-----

Evaluation for draft-ietf-ospf-lls-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=6138&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=6138&rfc_flag=0)

Last Call to expire on: 2008-11-10

Please return the full line with your position.

|                 | Yes | No-Objection | Discuss | Abstain |
|-----------------|-----|--------------|---------|---------|
| Jari Arkko      | [ ] | [ ]          | [ ]     | [ ]     |
| Ron Bonica      | [ ] | [ ]          | [ ]     | [ ]     |
| Ross Callon     | [ ] | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault  | [ ] | [ X ]        | [ ]     | [ ]     |
| Lars Eggert     | [ ] | [ X ]        | [ ]     | [ ]     |
| Pasi Eronen     | [ ] | [ ]          | [ X ]   | [ ]     |
| Russ Housley    | [ ] | [ ]          | [ X ]   | [ ]     |
| Cullen Jennings | [ ] | [ ]          | [ ]     | [ ]     |
| Chris Newman    | [ ] | [ X ]        | [ ]     | [ ]     |
| Jon Peterson    | [ ] | [ ]          | [ ]     | [ ]     |

|                   |       |     |       |     |
|-------------------|-------|-----|-------|-----|
| Tim Polk          | [ ]   | [ ] | [ X ] | [ ] |
| Dan Romascanu     | [ ]   | [ ] | [ ]   | [ ] |
| Mark Townsley     | [ ]   | [ ] | [ ]   | [ ] |
| David Ward        | [ X ] | [ ] | [ ]   | [ ] |
| Magnus Westerlund | [ ]   | [ ] | [ X ] | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Lisa Dusseault:

Comment [2008-12-17]:

I had the same question as Pasi to be sure that this actually gets marked as obsoleting RFC4813.

Lars Eggert:

Comment [2008-12-16]:

Section 2., paragraph 4:

> The LLS data block MAY be attached to OSPF Hello and DD packets.

The "MAY" is ambiguous - do you mean "MUST only"?

Section 6.1., paragraph 4:

> [OSPFV3] Coltun, R., Ferguson, D., and J. Moy, "OSPF for IPv6",  
> RFC 2740, December 1999.

Obsolete normative reference: RFC 2740 (ref. 'OSPFV3') (Obsoleted by RFC 5340). Please add RFC Editor Note.

Pasi Eronen:

Discuss [2008-12-16]:

I have reviewed draft-ietf-ospf-lls-05. Overall, the document looks good, but I have the following concerns that I'd like to discuss before recommending approval of the document:

- Should this document (once approved) obsolete RFC 4813? Either way, the document needs to describe its relationship to RFC 4813, and list changes done since it (based on quickly look, this includes at least

OSPFv3 support and changed format for Private/Enterprise TLVs in Section 2.6), and explain why this is upgraded from Experimental to Standards Track (i.e. what was learned from the experiment).

- A question: do you have data to show that existing implementations (that don't support RFC 4813/this draft) actually behave as assumed here? (That is, accept OSPF packets with extra junk at the end -- this sounds like the kind of thing implementations often get wrong....) I assume you have such data, but briefly summarizing the real-world situation in Section 4 would be very useful.

- Section 3 is unclear whether the IANA is asked to create a registry for this document, or just update the registry created for RFC 4813 to point to this document (or possibly something else).

From Stephen Farrell's SecDir review (which also needs a reply):

- Section 2.2 describes the use of the checksum field, but never says what to do if the checksum is wrong. Is just the LLS block ignored or the entire OSPF message?

- Section 2.2 doesn't say whether the checksum bits (presumably zero'd?) are considered part of the LLS block when calculating the checksum.

- The spec doesn't say what to put in the checksum field when using the Cryptographic Authentication TLV (presumably 0, but should be said)

- Section 2.5 is quite vague on exactly what data is used when calculating AuthData. Does it include the TLVs following CA-TLV? (Presumably yes, but the text should say so.) What's placed in the AuthData field during the calculation? (Presumably zeroes, but the text doesn't say.)

Comment [2008-12-16]:

- Stephen Farrell's SecDir review had some suggestions for clarification and editorial nits.
- [IANA] has been obsoleted by RFC 5226.
- [OSPFV3] has been obsoleted by RFC 5340.

Russ Housley:

Discuss [2008-12-12]:

Spencer Dawkins raised a few questions in his Gen-ART Review that was

posted on 2008-11-05. There was not a response to these questions.  
Please address these questions.

The document says:

>  
> The 16-bit LLS Data Length field contains the length (in 32-bit  
> words) of the LLS block including the header and payload.  
> Implementations MUST NOT use the Length field in the IP packet  
header  
> to determine the length of the LLS data block.  
>  
Spencer asked: "I'm not sure this is a 2119 MUST NOT - aren't you just  
saying that if you try it, you'll fail?"

The document says:

>  
> The CA-TLV MUST only appear once in the the LLS block. Also, when  
> present, this TLV SHOULD be the last TLV in the LLS block.  
>  
Spencer asked: "Why SHOULD and not MUST? At a minimum, I would expect  
to see some description of what should happen if CA-TLV is NOT the  
last TLV in the LLS block - and if the expectation is that processing  
continues, I'm not sure what this sentence means..."

Tim Polk:

Discuss [2008-12-17]:

Two issues I would like to discuss about LLS. Assuming that these  
issues  
need  
to be  
addressed, I believe they could be handled in the security  
considerations.

(1) Since LLS is optional and is not a negotiated capability, there is  
no  
way  
to determine  
if the OSPF router receiving the OSPF packet is using this information.  
Section  
2 glosses  
over these complications by stating "changes made due to LLS block TLV's  
do not  
affect  
the basic routing when interacting with non-LLS routers."

This strikes me as a goal rather than a promise. I think text describing the implications of poorly designed LLS data processing is needed, and provide reasonable guidance for protocol designers that want to use this feature.

(2) I think there is a decent chance that a router will be connected to a router that either doesn't recognize LLS at all or expects different information to be transmitted (routers from a different domain or manufacturer?). Given that, wouldn't it be prudent to recommend that this feature be configurable on a per-interface basis?

Comment [2008-12-17]:

The security considerations section would benefit from a few pointers and a bit more text.

I suggest adding the following to the first paragraph:

Security Considerations inherited from OSPFv2 are described in [OSPFV2].

I would suggest adding the following to the second paragraph:

Security considerations inherited from OSPFv3 are described in [OSPFv3] and [OSPFV3AUTH].

Magnus Westerlund:

Discuss [2008-12-17]:

After having reviewed this document I have some questions that I really think need to be answered before I am feeling comfortable allowing this document to be approved.

This document allows for up to 64k big data objects to be added to OSPF

messages. This clearly affects the amount of data consumed by OSPF however, this document seems to have no discussion about the potential transport issues that adding arbitrary data objects can cause.

Fragmentation of OSPF messages. A quick glance in RFC 2328 indicates that there are no built in fragmentation support. The reliance on IP fragmentation have two issues:

1. First how the addition of extra data changes the loss probability for the message due to that a single loss among the fragments results in message delivery failure.
2. That the potential size of the arbitrary data is not 64k, but actually 64k minus all the other message parts in the OSPF message.

Then there is the issue of congestion avoidance and transmission rate control.

I have now idea how this works in OSPF (please enlighten me), but enlarging the messages clearly have a potential impact on the message transmission behavior and consumed resources that at least needs to be commented on. Are you certain that the existing mechanism is suitable for arbitrary data?

What reliability are provided for the arbitrary data? It seems that the core messages in OSPF handles reliability in various protocol dependent ways directly related to the message type. It is not at all clear that the arbitrary data object will have the same reliability requirements that the OSPF message it is being sent in. That needs consideration.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ospf mailing list <ospf@ietf.org>,  
ospf chair <ospf-chairs@tools.ietf.org>  
Subject: Protocol Action: 'OSPF Link-local Signaling' to  
Proposed Standard

The IESG has approved the following document:

- 'OSPF Link-local Signaling '  
<draft-ietf-ospf-lls-05.txt> as a Proposed Standard

This document is the product of the Open Shortest Path First IGP Working Group.

The IESG contact persons are David Ward and Ross Callon.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ospf-lls-05.txt>

#### Technical Summary

This document describes a backward-compatible technique to perform link-local signaling, i.e., exchange arbitrary data on a link.

#### Working Group Summary

This draft represents the promotion of RFC 4813 from experimental to proposed standard. It also extends LLS to OSPFv3 which is simpler since authentication is handled via IPsec.

#### Document Quality

Passes idnits. No issues.

#### Personnel

Dave Ward

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 8 of 10

- o draft-ietf-pkix-ecc-subpubkeyinfo-11.txt

Elliptic Curve Cryptography Subject Public Key Information (Proposed Standard)

Note: Document shepherd is stefans@microsoft.com

Token: Pasi Eronen

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-pkix-ecc-subpubkeyinfo-11.txt to Proposed

Standard

-----

Evaluation for draft-ietf-pkix-ecc-subpubkeyinfo-11.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=16782&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16782&rfc_flag=0)

Last Call to expire on: 2008-12-09

Please return the full line with your position.

|                | Yes   | No-Objection | Discuss | Abstain |
|----------------|-------|--------------|---------|---------|
| Jari Arkko     | [ ]   | [ ]          | [ ]     | [ ]     |
| Ron Bonica     | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon    | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert    | [ ]   | [ ]          | [ ]     | [ ]     |
| Pasi Eronen    | [ X ] | [ ]          | [ ]     | [ ]     |
| Russ Housley   | [ ]   | [ ]          | [ ]     | [ R ]   |

|                   |     |       |     |       |
|-------------------|-----|-------|-----|-------|
| Cullen Jennings   | [ ] | [ ]   | [ ] | [ ]   |
| Chris Newman      | [ ] | [ X ] | [ ] | [ ]   |
| Jon Peterson      | [ ] | [ ]   | [ ] | [ ]   |
| Tim Polk          | [ ] | [ ]   | [ ] | [ R ] |
| Dan Romascanu     | [ ] | [ ]   | [ ] | [ ]   |
| Mark Townsley     | [ ] | [ ]   | [ ] | [ ]   |
| David Ward        | [ ] | [ ]   | [ ] | [ ]   |
| Magnus Westerlund | [ ] | [ X ] | [ ] | [ ]   |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

pkix mailing list <ietf-pkix@imc.org>,

pkix chair <pkix-chairs@tools.ietf.org>

Subject: Protocol Action: 'Elliptic Curve Cryptography Subject  
Public Key Information' to Proposed Standard

The IESG has approved the following document:

- 'Elliptic Curve Cryptography Subject Public Key Information '  
<draft-ietf-pkix-ecc-subpubkeyinfo-10.txt> as a Proposed Standard

This document is the product of the Public-Key Infrastructure (X.509) Working Group.

The IESG contact persons are Pasi Eronen and Tim Polk.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-pkix-ecc-subpubkeyinfo-10.txt>

Technical Summary

The subjectPublicKeyInfo field of an X.509 certificate carries three data items: an algorithm identifier, optional parameters, and a bit string that represents the public key. The parameters are

specific to the algorithm and this field usually contains simple values needed to characterize the public key algorithm, e.g., the generator and modulus for Diffie-Hellman. However, X.509 does not constrain the scope of this parameters field. The ANSI X9.62 standards allow parameters to name the curve via an object identifier, inherit the curve from an issuer, or fully specify the curve. To fully specify the curve a complex structure is required. Further, the ANSI X9.62 standards committee elected to use this field to express potentially complex limitations on how the public key in the certificate can be used, e.g., which key derivation functions can be applied to the bit string that results from a Diffie-Hellman key exchange.

After considerable debate the PKIX WG decided to limit the number of parameter choices to one: the name the curve with an object identifier (namedCurve). This decision was based on implementers desire to use well known curves from NIST and the complexity of the specifiedCurve field (not to mention the 20+ pages it saved).

The WG also decided to restrict the number of algorithm identifiers to three: id-ecPublicKey, id-ecDH, and id-ECMQV. The id-ecPublicKey object identifier is when a CA does not want to limit the key for use with a particular ECC algorithm. ECDSA will use this object identifier, as it is already widely implemented. The id-ecDH and id-ecMQV object identifiers are used to restrict the key for use with ECDH and ECMQV, respectively.

The SHA-224, SHA-256, SHA-384, and SHA-512 algorithms and the NIST curves were added to the ASN.1 modules.

## Working Group Summary

This ID was discussed extensively on the PKIX WG mailing list. A poll was taken to remove the specifiedCurve option. The WG was in favor of the change. The other comments were about document quality.

## Document Quality

This document is a fairly length update of three sections of RFC 3279 (Sections 2.3.5, 3, and 5) and includes a long ASN.1 module. The quality of the draft is comparable in quality to its predecessor

## Personnel

The document shepherd is Stefan Santesson. The responsible

area director is Pasi Eronen.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 9 of 10

- o draft-freed-sieve-ihave-03.txt  
Sieve Email Filtering: Ihave Extension (Proposed Standard)  
Token: Lisa Dusseault

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-freed-sieve-ihave-03.txt to Proposed Standard  
-----

Evaluation for draft-freed-sieve-ihave-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=15893&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15893&rfc_flag=0)

Last Call to expire on: 2008-12-08

Please return the full line with your position.

|                 | Yes   | No-Objection | Discuss | Abstain |
|-----------------|-------|--------------|---------|---------|
| Jari Arkko      | [ ]   | [ ]          | [ ]     | [ ]     |
| Ron Bonica      | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon     | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault  | [ X ] | [ ]          | [ ]     | [ ]     |
| Lars Eggert     | [ ]   | [ ]          | [ ]     | [ ]     |
| Pasi Eronen     | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings | [ ]   | [ ]          | [ ]     | [ ]     |
| Chris Newman    | [ X ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson    | [ ]   | [ ]          | [ ]     | [ ]     |

|                   |     |       |       |     |
|-------------------|-----|-------|-------|-----|
| Tim Polk          | [ ] | [ ]   | [ X ] | [ ] |
| Dan Romascanu     | [ ] | [ ]   | [ ]   | [ ] |
| Mark Townsley     | [ ] | [ ]   | [ ]   | [ ] |
| David Ward        | [ ] | [ ]   | [ ]   | [ ] |
| Magnus Westerlund | [ ] | [ X ] | [ ]   | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment [2008-12-14]:

In the Gen-ART Review by Ben Campbell, he suggested that the last paragraph of Section 4, last paragraph be moved toward the front of the document since it significantly constrains the scope.

Tim Polk:

Discuss [2008-12-17]:

From Section 4, Ihave Test

Ihave is designed to be used with extensions that add tests, actions, comparators, or arguments. It MUST NOT be used with extensions that change the underlying Sieve grammar or extensions like variables [RFC5229] that change how the content of Sieve scripts are interpreted.

Is this constraint (the MUST NOT) enforced by the sieve implementation, or

is this an admonition to script writers? I think the spec needs to be clear

about the responsibility for this one...

If the responsibility lies with the script writer, then the security considerations

probably needs to describe the results of using ihave with the wrong classes

of sieve extensions.

Comment [2008-12-17]:

This is just a style nit, but I found the capitalization of ihave at the beginning of a

sentence rather confusing. I kept mentally converting "Ihave" to "I have"  
and  
then  
would have to convert it back again.

Personally, I would stay with "ihave", even when starting a sentence.  
Just a  
thought.

Magnus Westerlund:

Comment [2008-12-17]:

I think it would have been beneficial to include ABNF for how this fits the  
already existing SIEVE grammar.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
sieve mailing list <ietf-mta-filters@imc.org>,  
sieve chair <sieve-chairs@tools.ietf.org>  
Subject: Protocol Action: 'Sieve Email Filtering: Ihave  
Extension' to Proposed Standard

The IESG has approved the following document:

- 'Sieve Email Filtering: Ihave Extension '  
<draft-freed-sieve-ihave-03.txt> as a Proposed Standard

This document is the product of the Sieve Mail Filtering Language  
Working

Group.

The IESG contact persons are Lisa Dusseault and Chris Newman.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-freed-sieve-ihave-03.txt>

## Technical Summary

This document describes the "ihave" extension to the Sieve email filtering language. The "ihave" extension provides a means to write scripts that can take advantage of optional Sieve features but can still run when those optional features are not available. The extension also defines a new error control command intended to be used to report situations where no combination of available extensions satisfies the needs of the script.

## Working Group Summary

There were some discussions about whether the ihave test should only enable an extension for the if block it is used in, or whether it should enable the extension till the end of the script. The latter was chosen due to perceived ease of implementability and this represents rough consensus of the WG.

## Document Quality

There is at least 1 server implementations of this document. At least 1 more server vendor is implementing it and at least a 3 more are interested in implementing it.

At least 4 people have reviewed the document. Majority of posted comments were addressed in the latest revision.

## Personnel

Alexey Melnikov is the Document Shepherd. Lisa Dusseault is the Sponsoring AD.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 10 of 10

#### o draft-ietf-mpls-cosfield-def-08.txt

Multi-Protocol Label Switching (MPLS) label stack entry: "EXP" field renamed to "Traffic Class" field (Proposed Standard)

Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mpls-cosfield-def-08.txt to Proposed Standard

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Evaluation for draft-ietf-mpls-cosfield-def-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17258&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17258&rfc_flag=0)

Last Call to expire on: 2008-12-04

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ron Bonica        | [ X ] | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ X ] | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ X ]        | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Pasi Eronen       | [ ]   | [ X ]        | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings   | [ ]   | [ ]          | [ ]     | [ ]     |
| Chris Newman      | [ ]   | [ X ]        | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Tim Polk          | [ ]   | [ X ]        | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ ]          | [ ]     | [ ]     |
| David Ward        | [ ]   | [ ]          | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ X ]        | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====  
Lars Eggert:

Comment [2008-12-16]:

Section 1.2, paragraph 7:

> The EXP field has been renamed to the TC field, and thus all  
> references in RFC 3270 to EXP field SHOULD be taken to refer  
> to the TC field.

I think the "SHOULD" here needs to be a "MUST" - otherwise it leaves the option of not using the new name. (And I don't believe an RFC2119 term is appropriate here, so it should be a lowercase "must".) Similar phrasings occur in Sections 2.3 and 2.4, and they should be changed accordingly.

Tim Polk:

Comment [2008-12-17]:

Abstract

s/current use of the EXP this field/current use of this field/

Section 1. Introduction

s/after the work on the document were started/after the work on the  
document  
was started/

Section 3. Use of the TC field

s/have different TF fields from the rest/have different TC fields from  
the  
rest/

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mpls mailing list <mpls@lists.ietf.org>,

mpls chair <mpls-chairs@tools.ietf.org>

Subject: Protocol Action: '"EXP field" renamed to "Traffic Class field"' to Proposed Standard

The IESG has approved the following document:

- '"EXP field" renamed to "Traffic Class field" ' <draft-ietf-mpls-cosfield-def-07.txt> as a Proposed Standard

This document is the product of the Multiprotocol Label Switching Working

Group.

The IESG contact persons are Ross Callon and David Ward.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-mpls-cosfield-def-07.txt>

#### Technical Summary

The early Multiprotocol Label Switching (MPLS) documents defined the format of the MPLS Label Stack. This includes a three bit field called the "EXP field". The exact use of this field was not defined by these documents, except to state that it was to be "reserved for experimental use".

Although the intended use of the EXP field was as a "Class of Service" (CoS) field, it was not named the CoS field by these early documents because the use of such a CoS field was not considered to be sufficiently defined. Today a number of standards documents define its usage as a CoS field.

To avoid misunderstanding about how this field may be used, it has become important to rename this field. This document changes the name of the field to the "Traffic Class field" ("TC field".) In doing so it also updates documents that define the current use of the EXP field.

#### Working Group Summary

Solid consensus (see PROTO writeup by George Swallow).

#### Document Quality

The RFCs that this document references and updates are widely

implemented and deployed, and use the three bit "EXP" field as a class of service field. Thus the change of name for the field specified in this draft is consistent with widely deployed protocols and equipment (and consistent with the original intended use of this field).

There are four informational RFCs (RFC 3272, RFC 3469, RFC 3564 and RFC 3985) that are listed as normative references. This is because this document makes mandatory changes to these RFCs (by changing the name of one field used by these RFCs). These downrefs were mentioned in the IETF last call.

#### Personnel

George Swallow is the document shepherd for this document. Ross Callon is the Responsible Area Director.

#### RFC Editor Note

(Insert RFC Editor Note here or remove section)

#### IRTF Note

(Insert IRTF Note here or remove section)

#### IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

#### 2.1.2 Returning Item

NONE

#### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a

reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.2 Individual Submissions

### 2.2.1 New Item - 1 of 1

o draft-kucherawy-sender-auth-header-18.txt

Message Header Field for Indicating Message Authentication Status  
(Proposed  
Standard)  
Token: Lisa Dusseault

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-kucherawy-sender-auth-header-18.txt to Proposed

Standard

-----

Evaluation for draft-kucherawy-sender-auth-header-18.txt can be found at

h  
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r

acker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\_id&dTag=12283&rfc\_flag=0

Last Call to expire on: 2008-12-02

Please return the full line with your position.

|            | Yes | No-Objection | Discuss | Abstain |
|------------|-----|--------------|---------|---------|
| Jari Arkko | [ ] | [ ]          | [ ]     | [ ]     |

|                   |       |       |     |     |
|-------------------|-------|-------|-----|-----|
| Ron Bonica        | [ ]   | [ ]   | [ ] | [ ] |
| Ross Callon       | [ ]   | [ ]   | [ ] | [ ] |
| Lisa Dusseault    | [ X ] | [ ]   | [ ] | [ ] |
| Lars Eggert       | [ ]   | [ ]   | [ ] | [ ] |
| Pasi Eronen       | [ ]   | [ ]   | [ ] | [ ] |
| Russ Housley      | [ ]   | [ X ] | [ ] | [ ] |
| Cullen Jennings   | [ ]   | [ ]   | [ ] | [ ] |
| Chris Newman      | [ ]   | [ X ] | [ ] | [ ] |
| Jon Peterson      | [ ]   | [ ]   | [ ] | [ ] |
| Tim Polk          | [ ]   | [ ]   | [ ] | [ ] |
| Dan Romascanu     | [ ]   | [ ]   | [ ] | [ ] |
| Mark Townsley     | [ ]   | [ ]   | [ ] | [ ] |
| David Ward        | [ ]   | [ ]   | [ ] | [ ] |
| Magnus Westerlund | [ ]   | [ ]   | [ ] | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment [2008-12-14]:

In the Gen-ART Review by Suresh Krishnan, he said that one thing was unclear. He wanted to know how the MUA would convey the results to the user. For example, using the case C.5 from the appendix, what would the user actually see (Success indication, Failure indication, or something else)? Is this field used more as input for filters rather than communicating authentication information to the user? How is the authenticity of the sender established?

Chris Newman:

Comment [2008-12-15]:

> "CFWS" is as defined in section 3.2.3 of [MAIL].

I believe that should be section 3.2.2.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Protocol Action: 'Message Header Field for Indicating  
Message Authentication Status' to Proposed Standard

The IESG has approved the following document:

- 'Message Header Field for Indicating Message Authentication Status '  
<draft-kucherawy-sender-auth-header-17.txt> as a Proposed Standard

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Lisa Dusseault.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-kucherawy-sender-auth-header-17.txt>

#### Technical Summary

This draft introduces a header that passes sender validation information in a message to the recipient. It can be used with several validation approaches including DKIM.

#### Working Group Summary

This is an individual document, although discussion has taken place on [mail-vet-discuss@mipassoc.org](mailto:mail-vet-discuss@mipassoc.org). There is opposition to the proposal from Doug Otis. He seems to have an unusual and hard-to-understand model of how email validation should work, so I believe there is rough consensus anyway.

#### Document Quality

This header is already implemented. I asked Barry Leiba and Jim Fenton to review the proposal when asked to publish it.

#### Personnel

Lisa Dusseault reviewed this for the IESG.

### 2.2.2 Returning Item

NONE

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 1 of 3

- o draft-ietf-mpls-ldp-igp-sync-03.txt  
LDP IGP Synchronization (Informational)  
Token: David Ward

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mpls-ldp-igp-sync-03.txt to

Informational

RFC

-----

Evaluation for draft-ietf-mpls-ldp-igp-sync-03.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17153&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17153&rfc_flag=0)

Last Call to expire on: 2008-11-18

Please return the full line with your position.

|                 | Yes | No-Objection | Discuss | Abstain |
|-----------------|-----|--------------|---------|---------|
| Jari Arkko      | [ ] | [ ]          | [ ]     | [ ]     |
| Ron Bonica      | [ ] | [ ]          | [ ]     | [ ]     |
| Ross Callon     | [ ] | [ ]          | [ X ]   | [ ]     |
| Lisa Dusseault  | [ ] | [ X ]        | [ ]     | [ ]     |
| Lars Eggert     | [ ] | [ ]          | [ ]     | [ ]     |
| Pasi Eronen     | [ ] | [ X ]        | [ ]     | [ ]     |
| Russ Housley    | [ ] | [ X ]        | [ ]     | [ ]     |
| Cullen Jennings | [ ] | [ ]          | [ ]     | [ ]     |

|                   |       |     |     |     |
|-------------------|-------|-----|-----|-----|
| Chris Newman      | [ ]   | [ ] | [ ] | [ ] |
| Jon Peterson      | [ ]   | [ ] | [ ] | [ ] |
| Tim Polk          | [ ]   | [ ] | [ ] | [ ] |
| Dan Romascanu     | [ ]   | [ ] | [ ] | [ ] |
| Mark Townsley     | [ ]   | [ ] | [ ] | [ ] |
| David Ward        | [ X ] | [ ] | [ ] | [ ] |
| Magnus Westerlund | [ ]   | [ ] | [ ] | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ross Callon:

Discuss [2008-12-17]:

The authors have indicated that they intend to update the document right after

the telechat to respond to Gen-Art and Sec-Dir reviews. I am just holding

a

"friendly" discuss that I will clear as soon as this update is out.

Pasi Eronen:

Comment [2008-12-15]:

Donald Eastlake's SecDir review suggested including a pointer to "current best security practice" (an informative reference to draft-ietf-mpls-mpls-and-gmpls-security-framework would probably be OK), and some editorial nits that should be fixed before publication.

Russ Housley:

Comment [2008-12-14]:

Please look at the editorial comments in the Gen-ART Review from Francis Dupont.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,  
mpls mailing list <mpls@lists.ietf.org>,  
mpls chair <mpls-chairs@tools.ietf.org>  
Subject: Protocol Action: 'LDP IGP Synchronization' to \*\*\* YOU  
MUST SELECT AN INTENDED STATUS FOR THIS DRAFT AND REGENERATE  
THIS TEXT \*\*\*

The IESG has approved the following document:

- 'LDP IGP Synchronization '  
<draft-ietf-mpls-ldp-igp-sync-02.txt> as \*\*\* YOU MUST SELECT AN  
INTENDED STATUS FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document is the product of the Multiprotocol Label Switching  
Working

Group.

The IESG contact persons are Ross Callon and David Ward.

A URL of this Internet-Draft is:  
[http://www.ietf.org/internet-drafts/draft-ietf-mpls-ldp-igp-  
sync-02.txt-02.txt](http://www.ietf.org/internet-drafts/draft-ietf-mpls-ldp-igp-sync-02.txt-02.txt)  
Technical Summary

Relevant content can frequently be found in the abstract  
and/or introduction of the document. If not, this may be  
an indication that there are deficiencies in the abstract  
or introduction.

Working Group Summary

No dissent

Document Quality

There are several known interoperable implementations of this  
technology. The idea is now quite old.

Personnel

Dave Ward

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 2 of 3

- o draft-ietf-l1vpn-ospfv3-auto-discovery-02.txt  
OSPFv3 Based Layer 1 VPN Auto-Discovery (Experimental)  
Token: David Ward

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-l1vpn-ospfv3-auto-discovery-02.txt to Experimental RFC

-----

Evaluation for draft-ietf-l1vpn-ospfv3-auto-discovery-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=17312&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17312&rfc_flag=0)

Last Call to expire on: 2008-11-10

Please return the full line with your position.

|                 | Yes | No-Objection | Discuss | Abstain |
|-----------------|-----|--------------|---------|---------|
| Jari Arkko      | [ ] | [ ]          | [ ]     | [ ]     |
| Ron Bonica      | [ ] | [ ]          | [ ]     | [ ]     |
| Ross Callon     | [ ] | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault  | [ ] | [ ]          | [ ]     | [ ]     |
| Lars Eggert     | [ ] | [ ]          | [ ]     | [ ]     |
| Pasi Eronen     | [ ] | [ ]          | [ ]     | [ ]     |
| Russ Housley    | [ ] | [ ]          | [ ]     | [ ]     |
| Cullen Jennings | [ ] | [ ]          | [ ]     | [ ]     |
| Chris Newman    | [ ] | [ ]          | [ ]     | [ ]     |
| Jon Peterson    | [ ] | [ ]          | [ ]     | [ ]     |

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|-------------------|-------|-----|-----|-----|
| Tim Polk          | [ ]   | [ ] | [ ] | [ ] |
| Dan Romascanu     | [ ]   | [ ] | [ ] | [ ] |
| Mark Townsley     | [ ]   | [ ] | [ ] | [ ] |
| David Ward        | [ X ] | [ ] | [ ] | [ ] |
| Magnus Westerlund | [ ]   | [ ] | [ ] | [ ] |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
 To: IETF-Announce <ietf-announce@ietf.org>  
 Cc: Internet Architecture Board <iab@iab.org>,  
 RFC Editor <rfc-editor@rfc-editor.org>,  
 llvpn mailing list <llvpn@ietf.org>,  
 llvpn chair <llvpn-chairs@tools.ietf.org>  
 Subject: Document Action: 'OSPFv3 Based Layer 1 VPN  
 Auto-Discovery' to Experimental RFC

The IESG has approved the following document:

- 'OSPFv3 Based Layer 1 VPN Auto-Discovery '  
 <draft-ietf-llvpn-ospfv3-auto-discovery-02.txt> as an Experimental  
 RFC

This document is the product of the Layer 1 Virtual Private Networks Working Group.

The IESG contact persons are David Ward and Ross Callon.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-llvpn-ospfv3-auto-discovery-02.txt>

Technical Summary

This document defines an Open Shortest Path First (OSPF) version 3 based Layer-1 Virtual Private Network (L1VPN) auto-discovery mechanism. This document parallels the existing OSPF version 2 L1VPN auto-discovery mechanism. The notable functional difference is the support of IPv6.

## Working Group Summary

Was there anything in the WG process that is worth noting?  
For example, was there controversy about particular points  
or were there decisions where the consensus was  
particularly rough? No issues

## Document Quality

No issues

## Personnel

Dave Ward

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a  
reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 3 of 3

- o draft-ietf-roll-urban-routing-reqs-02.txt  
Urban WSNs Routing Requirements in Low Power and Lossy Networks  
(Informational)  
Token: David Ward

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-roll-urban-routing-reqs-02.txt to  
Informational

RFC

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Evaluation for draft-ietf-roll-urban-routing-reqs-02.txt can be found at  
h

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r

acker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\_id&dTag=17207&rfc\_flag=0

Last Call to expire on: 2008-11-25

Please return the full line with your position.

|                   | Yes   | No-Objection | Discuss | Abstain |
|-------------------|-------|--------------|---------|---------|
| Jari Arkko        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ron Bonica        | [ ]   | [ ]          | [ ]     | [ ]     |
| Ross Callon       | [ ]   | [ ]          | [ ]     | [ ]     |
| Lisa Dusseault    | [ ]   | [ ]          | [ ]     | [ ]     |
| Lars Eggert       | [ ]   | [ ]          | [ ]     | [ ]     |
| Pasi Eronen       | [ ]   | [ ]          | [ ]     | [ ]     |
| Russ Housley      | [ ]   | [ ]          | [ X ]   | [ ]     |
| Cullen Jennings   | [ ]   | [ ]          | [ ]     | [ ]     |
| Chris Newman      | [ ]   | [ ]          | [ ]     | [ ]     |
| Jon Peterson      | [ ]   | [ ]          | [ ]     | [ ]     |
| Tim Polk          | [ ]   | [ ]          | [ ]     | [ ]     |
| Dan Romascanu     | [ ]   | [ ]          | [ ]     | [ ]     |
| Mark Townsley     | [ ]   | [ ]          | [ ]     | [ ]     |
| David Ward        | [ X ] | [ ]          | [ ]     | [ ]     |
| Magnus Westerlund | [ ]   | [ ]          | [ ]     | [ ]     |

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

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Russ Housley:

Discuss [2008-12-14]:

Based on the discussion that has followed the Gen\_ART Review by Brian Carpenter, an updated document is needed, and it has not been posted yet.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

roll mailing list <roll@ietf.org>,

roll chair <roll-chairs@tools.ietf.org>

Subject: Document Action: 'Urban WSNs Routing Requirements in Low Power and Lossy Networks' to Informational RFC

The IESG has approved the following document:

- 'Urban WSNs Routing Requirements in Low Power and Lossy Networks ' <draft-ietf-roll-urban-routing-reqs-02.txt> as an Informational RFC

This document is the product of the Routing Over Low power and Lossy networks Working Group.

The IESG contact persons are David Ward and Ross Callon.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-roll-urban-routing-reqs-02.txt>

Technical Summary

The application-specific routing requirements for Urban Low Power and Lossy Networks (U-LLNs) are presented in this document.

Working Group Summary

The I-D has been extensively discussed with the participation of several key members of the Working Group. There were no Last Call concerns.

Document Quality

There were no issues in the contents of the doc by the WG or

community.

## Personnel

JP Vasseur is the doc shepherd.

### 3.1.2 Returning Item

NONE

### 3.2.1 New Item

NONE

### 3.2.2 Returning Item

NONE

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Message Organization (morg) - 1 of 1

Token: Chris Newman

### Message ORGanization (morg)

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Last Modified: 2008-12-11

Current Status: Proposed Working Group

Chair(s):

Randall Gellens

(co-chair TBD)

Applications Area Directors:

Chris Newman

Lisa Dusseault

Application Area Advisor:  
Chris Newman

Mailing Lists:

General Discussion: [morg@ietf.org](mailto:morg@ietf.org)

To Subscribe: <https://www.ietf.org/mailman/listinfo/morg>

Archive: <http://www.ietf.org/mail-archive/web/morg/current/maillist.html>

Description:

The IETF Message Organization extensions Working Group will work on IMAP extensions that improve clients' ability to find messages or groups of messages in an IMAP mailstore. As a secondary goal, the WG will design its extensions so as to minimize client/server round trips and bandwidth overhead.

In particular the Working Group is chartered to finalize and publish the following IMAP extensions as proposed standards:

- (a) A SORT extension specifying new sort criteria for header fields containing email addresses. This extension will be based on [draft-karp-morg-sortdisplay-00.txt](#).
- (b) A SEARCH extension specifying new search criteria for header fields containing email addresses.
- (c) A LIST extension for returning STATUS information in LIST responses. This extension will be based on [draft-melnikov-imapext-status-in-list-00.txt](#).
- (d) An extension that formalizes a way to return message counters by message context using STATUS and SEARCH commands.
- (e) An extension that specifies Internet-search-engine-like searching. Such searches would be more flexible (and less formally defined) than substring-based searches, and may return their results in a significant order. They may include "relevance" scores or similar information that could be useful to the user.
- (f) New collation algorithms such as "ignore whitespace" and "numeric, ignoring punctuation". The WG group will determine which collations are needed, taking into consideration the needs of the protocols that use the collation framework.
- (g) An extension that allows searching for messages within a message

thread. This extension will be based on draft-gulbrandsen-imap-inthread-03.txt.

(h) An extension that allows searching of multiple mailboxes at the same time (based on draft-melnikov-imapext-multimailbox-search-03.txt), or of multiple mailbox views. The WG will determine which approach (mailboxes or views) is more suitable as part of its work.

Additional documents may be added this list, but only via a charter revision. There must also be demonstrable willingness in the IMAP development community to actually implement a given extension before it can be added to this charter.

Revising or replacing the base IMAP4rev1 specification (RFC 3501) is out of the scope of this WG. This WG will ensure that all extensions it proposes take into account any existing problems in the base specification of IMAP, and do not make them worse nor make the problems harder to address in the future.

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#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

- o Network Configuration (netconf) - 1 of 1

Token: Dan Romascanu

Network Configuration (netconf)

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Last Modified: 2008-12-16

Additional information is available at [tools.ietf.org/wg/netconf](http://tools.ietf.org/wg/netconf)

Chair(s):

Bert Wijnen <[bertietf@bwinen.net](mailto:bertietf@bwinen.net)>

Mehmet Ersue <[mehmet.ersue@nsn.com](mailto:mehmet.ersue@nsn.com)>

Operations and Management Area Director(s):

Dan Romascanu <dromasca@avaya.com>  
Ronald Bonica <rbonica@juniper.net>

Operations and Management Area Advisor:  
Dan Romascanu <dromasca@avaya.com>

Technical Advisor(s):  
Charlie Kaufman <charliek@microsoft.com>

Mailing Lists:  
General Discussion: netconf@ietf.org  
To Subscribe: netconf-request@ietf.org  
In Body: in msg body: subscribe  
Archive: <http://www.ietf.org/mail-archive/web/netconf/>

Description of Working Group:  
Charlie Kaufman is Technical Advisor for Security Matters

Configuration of networks of devices has become a critical requirement for operators in today's highly interoperable networks. Operators from large to small have developed their own mechanisms or used vendor specific mechanisms to transfer configuration data to and from a device, and for examining device state information which may impact the configuration. Each of these mechanisms may be different in various aspects, such as session establishment, user authentication, configuration data exchange, and error responses.

The NETCONF Working Group is chartered to produce a protocol suitable for network configuration, with the following characteristics:

- Provides retrieval mechanisms which can differentiate between configuration data and non-configuration data
- Is extensible enough so that vendors will provide access to all configuration data on the device using a single protocol
- Has a programmatic interface (avoids screen scraping and formatting-related changes between releases)
- Uses a textual data representation, that can be easily manipulated using non-specialized text manipulation tools.
- Supports integration with existing user authentication methods
- Supports integration with existing configuration database systems
- Supports network wide configuration transactions (with features such as locking and rollback capability)
- Is as transport-independent as possible
- Provides support for asynchronous notifications.

The NETCONF protocol is using XML for data encoding purposes, because

XML is a widely deployed standard which is supported by a large number of applications.

The NETCONF protocol should be independent of the data definition language and data models used to describe configuration and state data.

However, the authorization model used in the protocol is dependent on the data model. Although these issues must be fully addressed to develop standard data models, only a small part of this work will be initially addressed. This group will specify requirements for standard data models in order to fully support the NETCONF protocol, such as:

- identification of principals, such as user names or distinguished names
- mechanism to distinguish configuration from non-configuration data
- XML namespace conventions
- XML usage guidelines

The initial work started in 2003 and has already been completed and was restricted to following items:

a) NETCONF Protocol Specification, which defines the operational model,

protocol operations, transaction model, data model requirements, security requirements, and transport layer requirements.

b) NETCONF over SSH Specification: Implementation Mandatory,

c) NETCONF over BEEP Specification: Implementation Optional,

d) NETCONF over SOAP Specification: Implementation Optional.

These documents define how the NETCONF protocol is used with each transport protocol selected by the working group, and how it meets the security and transport layer requirements of the NETCONF Protocol Specification.

e) NETCONF Notification Specification, which defines mechanisms that provide an asynchronous message notification delivery service for the NETCONF protocol. NETCONF Notification is an optional capability built on top of the base NETCONF definition and provides the capabilities and operations necessary to support this service.

The NETCONF notification specification has been finished now as well.

In the current phase of the incremental development of NETCONF the

workgroup will focus on following items:

1. Fine-grain locking: The base NETCONF protocol only provides a lock for the entire configuration datastore, which is not deemed to meet important operational and security requirements. The NETCONF working group will produce a standards-track RFC specifying a mechanism for fine-grain locking of the NETCONF configuration datastore.
2. NETCONF monitoring: It is considered best practice for IETF working groups to include management of their protocols within the scope of the solution they are providing. The NETCONF working group will produce a standards-track RFC with mechanisms allowing NETCONF itself to be used to monitor some aspects of NETCONF operation.
3. Schema advertisement: Currently the NETCONF protocol is able to advertise which protocol features are supported on a particular netconf-capable device. However, there is currently no way to discover which XML Schema are supported on the device. The NETCONF working group will produce a standards-track RFC with mechanisms making this discovery possible (this item may be merged with "NETCONF monitoring" into a single document).

Note: The schema-advertisement material has been merged into the NETCONF monitoring document based on WG consensus.

4. NETCONF over TLS: Based on implementation experience there is a need for a standards track document to define NETCONF over TLS as an optional transport for the NETCONF protocol.
5. NETCONF default handling: NETCONF today does not define whether default values should be returned by the server in replies to requests for reading configuration and state data. Different clients have different needs to receive or not to receive default data. The NETCONF working group will produce a standards-track RFC defining a mechanism that allows NETCONF clients to control whether default data is returned by the netconf server.
6. NETCONF implementations have shown that the specification in RFC4741 is not 100% clear and has lead to different interpretations and implementations.  
Also some errors have been uncovered. So the WG will do an rfc4741bis with following constraints:

- bug fixes are to be done
- clarifications can be done
- extensions can be done only when needed to fix bugs or inconsistencies (i.e. we are not doing a NETCONF V2)
- The work can be started based on the discussion in IETF #73 (see <http://www.ietf.org/proceedings/08nov/slides/netconf-3.pdf>).

Note: A technical errata has been posted on rfc4742. If the work on rfc4741bis uncovers any additional fixes/clarifications that need to be made to rfc4742, the WG may consider to also do a rfc4742bis as part of this work-item.

The following items have been identified as important but are currently not considered in scope for re-chartering and may be candidates for work when there is community consensus to take them on:

- NETCONF Notification content
- Access Control requirements
- NETCONF access to SMI-based MIB data

#### Goals and Milestones:

- Done Working Group formed
- Done Submit initial Netconf Protocol draft
- Done Submit initial Netconf over (transport-TBD) draft
- Done Begin Working Group Last Call for the Netconf Protocol draft
- Done Begin Working Group Last Call for the Netconf over (transport-TBD) draft
- Done Submit final version of the Netconf Protocol draft to the IESG
- Done Submit final version of the Netconf over SOAP draft to the IESG
- Done Submit final version of the Netconf over BEEP draft to the IESG
- Done Submit final version of the Netconf over SSH draft to the IESG
- Done Update charter
- Done Submit first version of NETCONF Notifications document
- Done Begin WGLC of NETCONF Notifications document
- Done Submit final version of NETCONF Notifications document to IESG for consideration as Proposed Standard
- Done -00 draft for fine Grain Locking
- Done -00 draft for NETCONF over TLS
- Done -00 draft for NETCONF Monitoring
- Done -00 draft for Schema Advertisement
- Done Early Review of client authentication approach (for NETCONF over TLS) with the security community at IETF 71
- N.A. WG Last Call on Schema Advertisement after IETF72
- Schema Advertisement has been merged into Monitoring

Done WG Last Call on NETCONF over TLS after IETF72  
Done Netconf over TLS to IESG for consideration as Proposed Standards  
Dec 2008 WG Last Call on Fine Grain Locking after IETF73  
Dec 2008 Send Partial Locking to IESG for consideration as Proposed Standards  
Jan 2009 Initial WG draft for with-defaults capability  
Feb 2009 Initial WG draft for rfc4741bis  
Mar 2009 WG Last Call on NETCONF Monitoring after IETF73  
Apr 2009 WG Last Call on rfc4741bis  
Apr 2009 WG Last Call on with-defaults  
Jun 2009 rfc4741bis to IESG for considerations as Proposed Standard  
Jun 2009 with-defaults capability to IESG for considerations as Proposed Standard

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.2 Proposed for Approval

NONE

#### 5. IAB News We Can Use

#### 6. Management Issues

6.1 Early RFC number assignment for draft-jerichow-msec-mikey-genext-oma (Tim Polk)

#### 7. Working Group News We Can Use

Jari Arkko  
Ron Bonica  
Ross Callon  
Lisa Dusseault  
Lars Eggert  
Pasi Eronen  
Russ Housley  
Cullen Jennings  
Chris Newman  
Jon Peterson

Tim Polk  
Dan Romascanu  
Mark Townsley  
David Ward  
Magnus Westerlund

Return-Path: <iesg-bounces@ietf.org>  
X-Original-To: iesg-archive@ietf.org  
Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from [127.0.0.1] (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 2F0C228C10D;  
Thu, 18 Dec 2008 10:35:11 -0800 (PST)  
X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 28A2028C108;  
Thu, 18 Dec 2008 10:35:10 -0800 (PST)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -3.115  
X-Spam-Level:  
X-Spam-Status: No, score=-3.115 tagged\_above=-999 required=5  
tests=[AWL=-2.905, BAYES\_00=-2.599, FRT\_STOCK2=3.988,  
HTML\_MESSAGE=0.001, J\_CHICKENPOX\_13=0.6, J\_CHICKENPOX\_43=0.6,  
J\_CHICKENPOX\_47=0.6, J\_CHICKENPOX\_64=0.6, RCVD\_IN\_DNSWL\_MED=-4]  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id 6G5VqfONRzFY; Thu, 18 Dec 2008 10:35:06 -0800 (PST)  
Received: from mailhost.jlc.net (mailhost.jlc.net [199.201.159.9])  
by core3.amsl.com (Postfix) with ESMTP id 78F7928C0FB;  
Thu, 18 Dec 2008 10:35:05 -0800 (PST)  
Received: by mailhost.jlc.net (Postfix, from userid 104)  
id E320933C6F; Thu, 18 Dec 2008 13:34:56 -0500 (EST)  
Date: Thu, 18 Dec 2008 13:34:56 -0500  
From: John Leslie <john@jlc.net>  
To: The IESG <iesg@ietf.org>, avezza@amsl.com, cmorgan@amsl.com,  
iesg-scribes@ietf.org  
Subject: DRAFT Narrative Minutes for December 18, 2008 Telechat  
Message-ID: <20081218183456.GH93226@verdi>  
References: <20081217224542.838BE28C118@core3.amsl.com>  
Mime-Version: 1.0

Content-Type: multipart/mixed; boundary="qlTNgmc+xy1dBmNv"  
Content-Disposition: inline  
Content-Transfer-Encoding: 8bit  
In-Reply-To: <20081217224542.838BE28C118@core3.amsl.com>  
User-Agent: Mutt/1.4.1i  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
                  <mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
                  <mailto:iesg-request@ietf.org?subject=subscribe>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

--qlTNgmc+xy1dBmNv  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Let's take next week off!

--  
John Leslie <john@jlc.net>

--qlTNgmc+xy1dBmNv  
Content-Type: text/html; charset=unknown-8bit  
Content-Disposition: attachment;  
filename="IESGnarrative-2008-12-18.html"  
Content-Transfer-Encoding: 8bit

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/
html4/strict.dtd">
<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  <meta http-equiv="Content-Style-Type" content="text/css">
  <title></title>
</head>
<body>
<p><b>IESG Narrative Minutes</b>
<p>Narrative Minutes of the IESG Teleconference on 2008-12-18. These are
```

not an official record of the meeting.

<p>Narrative scribe: John Leslie (The scribe was often uncertain who was speaking.)

<p>Corrections from:

<p>

<p><b>1 Administrivia</b></p>

<ol>

<li>Roll Call 1135 EDT Amy:

<ul>

- <li>Loa Andersson--- y
- <li>Jari Arkko--- regrets
- <li>Marc Blanchet---
- <li>Ron Bonica--- y
- <li>Ross Callon--- y
- <li>Michelle Cotton--- y
- <li>Lisa Dusseault--- y
- <li>Lars Eggert--- regrets
- <li>Pasi Eronen--- y
- <li>Marshall Eubanks---
- <li>Sandy Ginoza---
- <li>Russ Housley--- regrets
- <li>Cullen Jennings--- y
- <li>Olaf Kolkman---
- <li>John Leslie--- y
- <li>Cindy Morgan--- y
- <li>Chris Newman--- y
- <li>Ray Pelletier--- regrets
- <li>Jon Peterson---
- <li>Tim Polk--- y
- <li>Dan Romascanu--- y
- <li>Mark Townsley--- y
- <li>Amy Vezza--- y
- <li>Dave Ward--- y
- <li>Magnus Westerlund--- y

</ul>

<li>Bash the Agenda

<ul>

- <li>Amy: any new?
- <li>Dave: need to leave early, 4 drafts early
- <li><i>NOTE: These were discussed before any other Protocol Actions, but the narrative minutes are shown in agenda order</i>
- <li>Michelle: need followup on formal language, maybe action item for Russ
- <li>Amy: haven't gotten it yet, action item

</ul>

<li>Approval of the Minutes of the past telechat

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<li> December 11 minutes--- approved

<li> December 11 narrative minutes--- approved

</ul>

<li>Review of Action Items from last Telechat

<ul>

<li> Amy: Magnus BCP 32

<li> Magnus: in progress

<li> Dave Rsync: in progress

<li> Russ/Dave BCP: in progress

<li> Dan: still in progress

<li> Ron: overcome-by-events: still in progress

</ul>

</ol>

<p><b>2 Protocol Actions</b></p>

<p><b>2.1 WG submission</b></p>

<p><b>2.1.1 - New Items</b></p>

<ol>

<li> TCP User Timeout Option (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-tcpm-tcp-uto-10.txt"> draft-ietf-tcpm-tcp-uto-10.txt </a>

<br>Token: <a href="mailto:magnus.westerlund@ericsson.com"> Magnus Westerlund </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2028/index.html%3Ffilename=draft-ietf-tcpm-tcp-uto.html">Balloting</a>:

<ol>

<li> Ron Bonica: Discuss [2008-12-18]: This may be a very short-lived discuss. In the security section, you recommend the use of IPSEC or TCP-MD5. AFAIK, TCP-MD5 is rarely implemented on boxes that aren't routers. Wouldn't you be better off recommending TCP-AO?

<li> Pasi Eronen: Discuss [2008-12-15]: I have one concern that I'd like to discuss before recommending approval of the document:

<br> If the data cited in Section 4.1 is a reasonable approximation of reality -- and 3% of TCP connections would fail -- doesn't this mean that either (a) no popular OS or popular application (such as email, IM, or SSH client -- all of which would potentially benefit from longer timeouts) can enable this by default, or (b) it has to implement some kind of recovery logic (if using UTO fails, disable it and establish new connection without UTO).

<br> If this is the case, it should be mentioned in e.g.

Section 4.1, possibly sketching how the recovery logic would work (so each app doesn't have to reinvent it, possible badly).

<li> Russ Housley: Discuss [2008-12-12]: In the Gen-ART Review from Scott Brim, a significant question was raised, and the WG has not provided an answer. Scott asked: "Since a UTO can apparently be sent at any time, what happens if a UTO is received that shortens the timeout and there are unacknowledged packets that are already beyond the new timeout value?"

<li> Cullen Jennings: Comment [2008-12-17]: I think this is great (as long as it works through firewalls and nats - and support that part of Pasi discuss) but I think that it has to be exposed to apps and support that parts of Chris' discuss.

<li> Chris Newman: Discuss [2008-12-15]: Is the intention to have this be used only by operating system software? Or should this be made visible to applications? If the latter is the case, is there work in progress to define the identifiers and structures that would be used with setsockopt() so this would have a chance of deploying?

<br> Applications sometimes have information about the desirability of long lived connections. For example, HTTP wouldn't benefit from longer user timeouts, IMAP+TLS benefits quite a bit, while SSH could benefit a great deal (especially if the user has spent time setting up multiple data tunnels). But as we've seen with the IPv6 mess prior to getaddrinfo, if the socket extension identifiers/structures aren't nailed down early deployment is slowed greatly when communication between the transport and application layers is needed.

<br> Also, because communication of timeout information between the TCP stack and application software has been so poor in the past, quality server applications will put sockets in non-blocking mode and implement their own timeouts with select/poll or equivalent and shut down the socket. If applications have no way to communicate this to the TCP stack, the stack could negotiate a timeout longer than the application timeout and thus create a false expectation for connection retention.

<li> Tim Polk: Comment [2008-12-17]: I support Chris's and Pasi's discusses. The failure rate with middleboxes could present a significant problem unless the TCP stack is clever enough to establish new connections without using uto after failure. The onus is clearly on the TCP stack to adjust since the "communication of timeout information between the TCP stack and application software has been so poor in the past" to quote Chris's discuss.

<li> Dan Romascanu: Discuss [2008-12-17]: The document is missing any manageability or operational considerations. Although section 3 mentions that the UTO can be enabled either on a per-connection basis, or controlled by a system-wide setting there is no further indication what this means from the point of view of system operators. There is also no indication about performance measurement, especially on the light of

the fact that reliability issues are a concern and are discussed. Last would the MIB modules defined in RFC 4022 or RFC 4898 need to be extended to cover this new option?

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<P><b>Telechat</b>:

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<li> Amy: open, Dave: no-pos; number of discusses

<li> Magnus: none in particular need to discuss today

<li> Cullen: is there some document we're just missing

<li> Magnus: no API description... let Lars lead that; revised-ID needed

</ul><P>

<li> ForCES Protocol Specification (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-forces-protocol-19.txt"> draft-ietf-forces-protocol-19.txt </a>

<br>Token: <a href="mailto:rcallon@juniper.net"> Ross Callon </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2069/index.html%3Ffilename=draft-ietf-forces-protocol.html">Balloting</a>:

<ol>

<li> Cullen Jennings: Discuss [2008-12-17]: I don't see how one can get interoperability without specifying at least one mandatory to implement TML. Or say something like the CE needs to implement A and B and the FE can choose A or B.

<li> Tim Polk: Discuss [2008-12-18]: My concerns are related to Cullen's and Magnus's issues, but with a security area spin:

<br> This document does not clearly specify the security requirements that need to be supported by every TML. In the absence of those requirements, the document needs to specify a single TML with strong security properties as mandatory to implement. Otherwise, two fully compliant implementations might be interoperable but have no ability to provision security.

<br> Alternatively, this document could clearly specify that all TMLs MUST include mandatory to implement mechanism that provide the necessary security services. Note that the SCTP TML specification implies that such mechanisms need to be specified for each TML:

<br> I personally prefer the second solution (establishing requirements for all TMLs) but that does not resolve Cullen's issue. Specifying a mandatory to implement TML with appropriate security properties would resolve both our discusses. (Add in the reliability requirements and you could take care of Magnus' first issue as well.)

<li> Magnus Westerlund: Discuss [2008-12-18]:

<br> 1. Section 1: As the reliability requirement is for varying degrees of reliability it seems that some discussion should be

had if this can be realized by using different TMLs or if a single TML needs to provide all the different degrees of reliability?

<br> 2. Section 5: "3. Congestion control..."

<br> Isn't this split putting too much functionality regarding overload control into the TML rather than having it in the PL? It seems correct to have the TML be responsible for transport congestion avoidance. However, if it is the FORCES nodes themselves that are overloaded rather than the network connecting them duplicating the overload protection mechanism in each TML seems wrong. Are there good reasons for doing overload protection in the TMLs rather than the PL?

<br> Looking at <http://www.ietf.org/internet-drafts/draft-ietf-forces-sctptml-01.txt> it seems that the difference between transport congestion control and overload protection is not correctly considered.

<br> To me it seems that one needs to dig much more into the details of how overload prevention and handling affects the priorities and is affected by head of line blocking within the underlying transport. Also with a two layer approach the pushback in overload situations to the PL becomes more complex and needs to be considered.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: number of open, Lisa: no-pos, Pasi: no-pos, Dan: no-pos; couple of discusses

<li> Ross: also not enough votes; probably revised-ID needed, deal with discusses, back on agenda later

<li> Magnus: fundamental thing, separation between congestion control and overload

<li> Ross: TML contains useful info, draft not quite done; may be blades within chassis; or multiple boxes connected by ethernet, protocol to interconnect; for short burst, you may overload one outgoing interface, internal hardware issue

<li> Magnus: buildup if processing overload...

Ross: maybe need to have meeting with authors, try email first, telechat if necessary; of routers I understand, there's a wide range, not clear best approach; revised-ID needed plus followup with authors

</ul><P>

<li> ForCES MIB (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-forces-mib-10.txt"> draft-ietf-forces-mib-10.txt </a>

<br>Token: <a href="mailto:rcallon@juniper.net"> Ross Callon </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2274/index.html%3Ffilename=draft-ietf-forces-mib.html">Balloting</a>:

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<li> Dan Romascanu: Comment [2008-12-10]: This document underwent MIB Doctors reviews from John Flick and Bert Wijnen. It would be nice to mention them in the Protocol Quality section of the announcement together with the other reviews and to acknowledge the contribution of the two MIB Doctors in the document (right now only John is mentioned).

<li> Magnus Westerlund: Comment [2008-12-18]: To me it seems this MIB modules fails to instrument any aspect of the protocol that would tell an administrator that there is an overload situation. Maybe for a future MIB.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple open, Cullen: no-pos; no discusses, enough positions to pass

<li> Ross: should we hold on basis of protocol change may require MIB change?

<li> Dan: entering discuss, waiting for base document

<li> Ross: AD-followup

</ul><P>

<li> Internet Calendaring and Scheduling Core Object Specification (iCalendar) (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-calsify-rfc2445bis-09.txt"> draft-ietf-calsify-rfc2445bis-09.txt </a>

<br>Token: <a href="mailto:lisa@osafoundation.org"> Lisa Dusseault </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2819/index.html%3Ffilename=draft-ietf-calsify-rfc2445bis.html">Balloting</a>:

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<li> Lars Eggert: Comment [2008-12-16]: Section 3.2.6., paragraph 5: What's the status of "file://" and "ftp://"? RFC1738 was obsoleted, and while "telnet://" and "gopher://" have been resurrected (RFC 4248, RFC 4266), I couldn't locate an RFC that did the same for these two.

<br> (Making this a comment, since I won't be on the call and I don't want to block.)

<li> Pasi Eronen: Discuss [2008-12-18]: A question based on Richard Barnes's SecDir review: when using BINARY data type with in-line encoding, should the text say FMTTYPE MUST be included (or SHOULD be included)? Or is the recipient supposed to guess semantics from e.g. file name extension or data contents?

<li> Russ Housley: Comment [2008-12-12]: This minor error was caught in the Gen-ART Review by Gonzalo Camarillo:

<br> OLD: This property SHOULD not be used to alter the interpretation of

<br> NEW: This property SHOULD NOT be used to alter the interpretation of

<li> Dan Romascanu: Comment [2008-12-17]: I support Magnus's DISCUSS based on Lars's comment about the reference to RFC1738.

<li> Magnus Westerlund: Discuss [2008-12-17]: I will take on Lars comment and keep that as a discuss. There is a normative reference to RFC 1738 that is an obsoleted RFC.

<br> Is it necessary to include these scheme identifiers? Can it be done in some other way that doesn't make it into a normative ref?

<br> Comment [2008-12-17]: The ABNF is not formally correct: There are some multi-line rules containing empty lines, like calprops and many of the other &lt;x>props rules. I understand that this is for readability however, it is against the ABNF rules.

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<P><b>Telechat</b>:

<ul>

<li> Amy: couple open, Cullen: prefer not, ran out of time

<li> Lisa: will take discussion to authors; Dan, agree normative ref

<li> Chris: will respond to authors

<li> Lisa: revised-ID needed

<li> Magnus: cleared

</ul><P>

<li> Mobile IPv6 Support for Dual Stack Hosts and Routers (DSMIPv6) (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-mext-nemo-v4traversal-07.txt"> draft-ietf-mext-nemo-v4traversal-07.txt </a>

<br>Token: <a href="mailto:jari.arkko@piuha.net"> Jari Arkko </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2864/index.html%3Ffilename=draft-ietf-mext-nemo-v4traversal.html">Balloting</a>:

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<li> Ross Callon: Discuss [2008-12-11]: I don't believe that this spec is remotely close to complete for the general case of mobile IPv4/IPv6 routers. Unless I am missing something, this is really a document for mobile hosts. The easiest way to resolve this, at least for this one document, is probably to remove the "and routers" from the title and a very few places in the draft (I think just the fourth paragraph in section 2).

<br> Alternately, has this been thought through for a very specific type of router, such as the NAT box / wireless router that sits between many home networks and the DSL/Cable connection to an ISP? If so, then the scope of what routers this applies to should be described.

<li> Lars Eggert: Discuss [2008-12-16]: (Updated 2008-12-16) Some of the issues raised in Colin Perkins' tsv-fir review seem to not have been

addressed in -07. I may not have been CC'ed on all the emails - it would be useful if the authors would respond to his review and briefly outline how each issue got handled.

<br> Comment [2008-12-10]: Section 2., paragraph 0: "Note also that documents published as "RFC Editor contributions" [RFC3978] are not considered to be IETF documents."

<br> I think you want to refer to the different streams defined in RFC4844 here, rather than to the long-obsolete RFC3987.

<li> Pasi Eronen: Discuss [2008-12-17]:

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<li> The text about TLV-header and GRE tunneling seems vastly underspecified, and unlikely to lead to interoperability. For example:

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<li> Apparently the 'T' bit does mean only that MN supports the general TLV format; it may not support any of the specific TLV types, such as GRE (and new ones may be defined in the future). How this is supposed to work?

<li> There's no text describing how GRE tunneling is actually done; for example, how the various parts of GRE header are set/used in the context of Mobile IPv6, how that interacts with RFC 4877, etc.

<li> Why does the TLV header include the "Length" field? (since the length is already known from the outer header) Can there be multiple TLVs inside one packet, or something?

<li> Section 5.1 says "The Type field is limited to values of 0 and 1 to make sure that the receiver can tell the difference between the Type field and the IP version field in a packet that contains an IP header after UDP." Does that mean that IANA sections should say the registry has just a single unallocated value (0)?

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The text is unclear whether UDP tunneling (either vanilla or TLV) can be used when in IPv6 network (that is, IPv6 care-of address). Most of the text (e.g. 1st sentence of Section 5.4.3) indicates it cannot be used (when in IPv6 network, MN works as in RFC 3775), but some parts (e.g. third figure in Section 5.1, 3rd paragraph in Section 6) suggest it can. If it's the former, I'd suggest adding text like "This flag MUST NOT be set when IPv6 Care-Of Address is used" to Sections 4.1.3, 4.2.2, 4.2.3 (and fixing 5.1). If it's the latter, there's more work to do.

<li> Section 3.1: "Note that the use of [I-D.ietf-mip6-bootstrapping-integrated-dhc] cannot give the mobile node information that allows it to continue to communicate with the home agent if, for example, the mobile node moved from an IPv6-enabled network to an IPv4-only network."

<br> This seems incorrect -- this draft can give you e.g. the IPv4 address of the home agent, so the MN can continue to

communicate with the HA if it moves to an IPv4-only network. This sentence probably means that if the MN is in an IPv4-only network, and it already doesn't have this information, it can't use this draft to obtain it (since it's based on DHCPv6, not DHCPv4)?

- <li> Section 3.2: "Securing these messages requires the mobile node to have a security association with the home agent, using IPsec (AH or ESP) and based on the mobile node's IPv4 care-of address as described in [RFC3775]. Since the mobile node needs to encapsulate all IPv6 traffic sent to the home agent into IPv4 while located in an IPv4-only visited network, this SA would match all packets if the selectors were based on the information in the outer header."

<br> This looks strange (when using tunnel mode IPsec, the selectors select the packets to be protected before the outer header is added -- so the last sentence is weird) -- what are the IPsec SPD entries, and what does the resulting packet look like?

- <li> Section 5.3 should mention that two sets of keepalives have to be sent (one for DSMIPv6 port, another for 4500).

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Comment [2008-12-17]: While IPsec may have been a reasonable solution for the security requirements of RFC 3775, this draft (and the multiplecoa draft) IMHO clearly show that IPsec is not an appropriate solution for these MIPv6 extensions.

<br> Once the concerns in my "discuss" have been addressed (which should not be very difficult), I intend to ballot "abstain".

- <li> Russ Housley: Discuss [2008-12-14]: Draft -07 was generated to handle the Gen-ART Review comments from Brian Carpenter. Brian raised two more comments when the new version was posted:

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- <li> A normative reference to an Informational RFC needs to be handled by the downref procedure. That concerns RFC 2983 and RFC 4459.

- <li> Several normative references are listed as informative. That's a matter of judgement and consensus, so the WG and the IESG are free to disagree. The fact that GRE is only an optional feature doesn't prevent it being a normative reference, however; the question is whether an implementer can implement that option without reading RFC 2784. The same applies to all the other cases Brian suggested should be normative.

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- <li> Dan Romascanu: Comment [2008-12-18]: The OPS-DIR review by Tina Tsou raised a number of questions and pointed to nits. Although none of them seem a show stopper, I believe that they should be addressed for better clarity and quality of this document:

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- <li> In section 5.1, 5.4.2, 6.2.1, vanilla occurs 6 times and is ambiguous. Clarification would be welcome to explain what is meant.

- <li> In section 5.3, it is mentioned that if the mobile node is not active, it will send binding update to the home agent. It is not

clear how home agent operates upon receiving the binding update message? Also if the mobile node is not active, does it mean the mobile node is not reachable?

<li> In section 5.3, it is mentioned that the mobile node maintains NAT binding, if the mobile node is not reachable, then it need not to refresh the NAT binding. What is confusing here is that NAT devices also maintains NAT binding associated with the mobile node, so if the mobile node is not reachable, will the mobile node refresh the NAT binding in itself or in NAT on the path between the mobile node and the home agent? Moreover if the mobile node is not reachable, does it mean the mobile node changes the port or private address? Clarification would be welcome.

<li> It is not clear what,Âs the difference for NAT keep alive between the mobile node behind NAT and the home agent behind NAT.

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<li> David Ward: Discuss [2008-12-10]: The document specifies that it is to cover the specification for mobile routers as well as hosts. In fact, nothing is called out for routers. In particular, given there are many issues for mobile routers and routers in mobile ad hoc networks; I would have expected at least references to issues associated with mobile routers. The term "router" is used only twice in the document.

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<P><b>Telechat</b>:

<ul>

<li> Amy: Jari not here, couple of open, Ron: pass, Lisa: will check, number of discusses; revised-ID needed

</ul><P>

<li> IANA Considerations for RPC Net Identifiers and Universal Address Formats (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-nfsv4-rpc-netid-05.txt"> draft-ietf-nfsv4-rpc-netid-05.txt </a>

<br>Token: <a href="mailto:lars.eggert@nokia.com"> Lars Eggert </a>  
Note: Document Shepherd: Spencer Shepler (shepler@storspeed.com)

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2869/index.html%3Ffilename=draft-ietf-nfsv4-rpc-netid.html">Balloting</a>:

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<li> Lisa Dusseault: Comment [2008-12-17]: I don't understand why this document has both registered netids and constants. That seems redundant to me.

<li> Pasi Eronen: Discuss [2008-12-16]: The document seems to assume that a pointer to a transport protocol spec (e.g. RFC 4340 for DCCP or RFC 2960 for SCTP) is enough to describe how to use it with RPC. I'm not

sure that's always the case.

<br> In particular, are there existing implementations of dccp/dccp6 and sctp/sctp6? If not, consider leaving their registration later. If yes, is there any written documentation about how they use DCCP/SCTP? (For the tcp/tcp6 entries, I'd also suggest adding a pointer to RFC 1831)

<br> Another question: Section 4.2 says "All requests for assignments to the format registry on a Standards Action basis must undergo Expert Review and must be approved by IESG". Expert Review+IESG Approval is one possible IANA policy for this registry, but it's not the same as Standards Action. Please clarify which is meant.

<li> Tim Polk: Comment [2008-12-17]: In sections 4.1 and 4.2, the registrant provides a value of TBD1 in the registration request, and IANA substitutes the assigned value for TBD1. This is very clear but isn't quite right if a single document requests multiple registrations. In that case, the provided values would also include TBD2, ..., TBDx.

<br> To be honest, I'm not sure if any readers would actually be confused and I can't think of a better way to write the text myself. If an obvious solution comes to the author, that would be great. Otherwise, there is probably no harm in proceeding as is.

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<P><b>Telechat</b>:

<ul>

<li> Amy: open not here; Lars not here; Pasi, what do you think we need?

<li> Pasi: AD-followup -- might handle with RFCed note

</ul><P>

<li> OSPF Link-local Signaling (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-ospf-lls-05.txt"> draft-ietf-ospf-lls-05.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2901/index.html%3Ffilename=draft-ietf-ospf-lls.html">Balloting</a>:

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<li> Ross Callon: Discuss [2008-12-17]: My discuss is really a question. I apologize that I didn't get a chance to ask the authors prior to the telechat and expect that I am quite likely to clear during the telechat.

<br> How much testing and/or deployment experience is there with this feature? Are we confident that there aren't any existing implementations that suffer some sort of unfortunate reaction (such as crashing) when they get OSPF packets that contain TLVs encoded in this manner?

<li> Lisa Dusseault: Comment [2008-12-17]: I had the same question

as Pasi to be sure that this actually gets marked as obsoleting RFC4813.

<li> Lars Eggert: Comment [2008-12-16]: Section 2., paragraph 4: "The LLS data block MAY be attached to OSPF Hello and DD packets." The "MAY" is ambiguous - do you mean "MUST only"?

<br> Section 6.1., paragraph 4: "[OSPFV3] Coltun, R., Ferguson, D., and J. Moy, "OSPF for IPv6", RFC 2740, December 1999." Obsolete normative reference: RFC 2740 (ref. 'OSPFV3') (Obsoleted by RFC 5340). Please add RFC Editor Note.

<li> Pasi Eronen: Discuss [2008-12-16]:

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<li> Should this document (once approved) obsolete RFC 4813? Either way, the document needs to describe its relationship to RFC 4813, and list changes done since it

<li> A question: do you have data to show that existing implementations (that don't support RFC 4813/this draft) actually behave as assumed here? (That is, accept OSPF packets with extra junk at the end -- this sounds like the kind of thing implementations often get wrong....) I assume you have such data, but briefly summarizing the real-worldsituation in Section 4 would be very useful.

<li> Section 3 is unclear whether the IANA is asked to create a registry for this document, or just update the registry created for RFC 4813 to point to this document (or possibly something else).

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<br> From Stephen Farrell's SecDir review (which also needs a reply):

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<li> Section 2.2 describes the use of the checksum field, but never says what to do if the checksum is wrong. Is just the LLS block ignored or the entire OSPF message?

<li> Section 2.2 doesn't say whether the checksum bits (presumably zero'd?) are considered part of the LLS block when calculating the checksum.

<li> The spec doesn't say what to put in the checksum field when using the Cryptographic Authentication TLV (presumably 0, but should be said)

<li> Section 2.5 is quite vague on exactly what data is used when calculating AuthData. Does it include the TLVs following CA-TLV? (Presumably yes, but the text should say so.) What's placed in the AuthData field during the calculation? (Presumably zeroes, but the text doesn't say.)

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Comment [2008-12-16]:

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<li> Stephen Farrell's SecDir review had some suggestions for clarification and editorial nits.

<li> [IANA] has been obsoleted by RFC 5226.

<li> [OSPFV3] has been obsoleted by RFC 5340.

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<li> Russ Housley: Discuss [2008-12-12]: Spencer Dawkins raised a few questions in his Gen-ART Review that was posted on 2008-11-05. There was not a response to these questions. Please address these questions.

<br> The document says: "The 16-bit LLS Data Length field contains the length (in 32-bit words) of the LLS block including the header and payload. Implementations MUST NOT use the Length field in the IP packet header to determine the length of the LLS data block."

<br> Spencer asked: "I'm not sure this is a 2119 MUST NOT - aren't you just saying that if you try it, you'll fail?"

<br> The document says: "The CA-TLV MUST only appear once in the the LLS block. Also, when present, this TLV SHOULD be the last TLV in the LLS block."

<br> Spencer asked: "Why SHOULD and not MUST? At a minimum, I would expect to see some description of what should happen if CA-TLV is NOT the last TLV in the LLS block - and if the expectation is that processing continues, I'm not sure what this sentence means..."

<li> Tim Polk:Discuss [2008-12-17]: Two issues I would like to discuss about LLS. Assuming that these issues need to be addressed, I believe they could be handled in the security considerations.

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<li> Since LLS is optional and is not a negotiated capability, there is no way to determine if the OSPF router receiving the OSPF packet is using this information. Section 2 glosses over these complications by stating "changes made due to LLS block TLV's do not affect the basic routing when interacting with non-LLS routers."

<br> This strikes me as a goal rather than a promise. I think text describing the implications of poorly designed LLS data processing is needed, and provide reasonable guidance for protocol designers that want to use this feature.

<li> I think there is a decent chance that a router will be connected to a router that either doesn't recognize LLS at all or expects different information to be transmitted (routers from a different domain or manufacturer?). Given that, wouldn't it be prudent to recommend that this feature be configurable on a per-interface basis?

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Comment [2008-12-17]: The security considerations section would benefit from a few pointers and a bit more text. I suggest adding the following to the first paragraph:

<br> Security Considerations inherited from OSPFv2 are described in [OSPFV2].

<br> I would suggest adding the following to the second paragraph:

<br> Security considerations inherited from OSPFv3 are described in [OSPFv3] and [OSPFV3AUTH].

<li> Dan Romascanu: Discuss [2008-12-17]:

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<li> The IANA considerations section should be expressed in terms of RFC 5226, which replaces RFC 2434 which would have been the correct reference for [IANA]. If I understand correctly the policy for values 0-32767 is intended to be IETF Review, while the policy for values 32768-65536 is Expert Review.

<li> It is not clear to me what Private and Experimental TLVs mean. Will an Experimental TLV be marked in any way, so that routers know that they are dealing with an experiment? I do not understand how this is possible, and unless there is some good reason I suggest to drop Experimental and leave this option for private usage only.

<li> I would suggest some more crisp text that makes clear the criteria for approving TLVs i.e. for the goal of OSPF Link-Local signaling. Unless the intent is to allow for this technique to become a vehicle for transferring arbitrary information, it would be good to make clear that such overloading of the semantics is not permitted.

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<li> Mark Townsley: Comment [2008-12-18]:

<br> 2.4. Extended Options TLV: "Bits in the Value field do not have any semantics from the point of view of the LLS mechanism. This field MAY be used to announce some OSPF capabilities that are link-specific. Also, other OSPF extensions MAY allocate bits in the bit vector to perform boolean link-local signaling."

<br> This field doesn't seem to scope the LLS options to be link-local in nature, which I would think would be a minimum requirement. Further, it seems that the bits are not even restricted to being "Extended Options" given that there is explicit wording allowing the bits to be used as boolean flags.

<br> I think that at a minimum this needs to be scoped to link-local signaling, and should probably be renamed to "Extended Flags" or some such so that people will not mistake that it is only used for capability option signaling, but also is open for use for any sort of boolean signaling.

<br> 2.1. Options Field: I would rename this section to "L-bit in Options Field" so as not to imply that the Options field is being defined in this document, just that the L bit is.

<br> 2.6. Private TLVs: All other TLVs come with a picture, except this one.

<br> "The data included in the LLS block attached to a Hello packet MAY be used for dynamic signaling since Hello packets may be sent at any time in time."

<br> time in time?

<li> Magnus Westerlund: Discuss [2008-12-17]: This document allows for up to 64k big data objects to be added to OSPF messages. This clearly affects the amount of data consumed by OSPF however, this

document seems to have no discussion about the potential transport issues that adding arbitrary data objects can cause.

<br> Fragmentation of OSPF messages. A quick glance in RFC 2328 indicates that there are no built in fragmentation support. The reliance on IP fragmentation have two issues:

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<li> how the addition of extra data changes the loss probability for the message due to that a single loss among the fragments results in message delivery failure.

<li> That the potential size of the arbitrary data is not 64k, but actually 64k minus all the other message parts in the OSPF message.

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Then there is the issue of congestion avoidance and transmission rate control. I have now idea how this works in OSPF (please enlighten me), but enlarging the messages clearly have a potential impact on the message transmission behavior and consumed resources that at least needs to be commented on. Are you certain that the existing mechanism is suitable for arbitrary data?

<br> What reliability are provided for the arbitrary data? It seems that the core messages in OSPF handles reliability in various protocol dependent ways directly related to the message type. It is not at all clear that the arbitrary data object will have the same reliability requirements that the OSPF message it is being sent in. That needs consideration.

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<P><b>Telechat</b>:

<ul>

<li> Dave: Ross what do you mean TLV

<li> Ross: existing specs say nothing about this... this has been experimental for awhile, do implementations successfully ignore this

<li> Dave: they throw it away

<li> Ross: I'll clear

<li> Dave: Magnus, you can take data and move it into a separate instance, possible deployments where you don't mix

<li> Magnus: performance in passing the messages... fragmentation... large messages subject to packet loss

<li> Dave: OSPF has fixed packet sizes, OSPF has problem

<li> Magnus: higher probability of dropping

<li> Dave: generic problem, not related to this draft

<li> Magnus: congestion-control, wonder how that will work, is another mechanism needed, will it work as intended

<li> Dave: packets prioritized -- flood first. All implementations prioritize what they flood

<li> Magnus: fairness problems? how to determine what rate is acceptable

<li> Dave: transmit+acknowledge -- don't flood more until ack;

ordering is implementation-dependent; could mention LSAs getting larger, beware; will ask author to contact Magnus; revised-ID needed

- <li> Tim: not sure my discuss is resolved yet

- <li> Dave: will be some back and forth

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- <li> Elliptic Curve Cryptography Subject Public Key Information  
(Proposed Standard)

- <br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-pkix-ecc-subpubkeyinfo-11.txt"> draft-ietf-pkix-ecc-subpubkeyinfo-11.txt </a>

- <br>Token: <a href="mailto:pasi.eronen@nokia.com"> Pasi Eronen </a>  
Note: Document shepherd is stefans@microsoft.com

- <br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2957/index.html%3Ffilename=draft-ietf-pkix-ecc-subpubkeyinfo.html">Balloting</a>:

- <ol>

- <li> (none)

- </ol>

- <P><b>Telechat</b>:

- <ul>

- <li> Amy: open not here, no discuss, enough positions to approve; approved, notes?

- <li> Pasi: no notes needed

- </ul><P>

- <li> Sieve Email Filtering: Ihave Extension (Proposed Standard)

- <br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-freed-sieve-ihave-03.txt"> draft-freed-sieve-ihave-03.txt </a>

- <br>Token: <a href="mailto:lisa@osafoundation.org"> Lisa Dusseault </a>

- <br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2970/index.html%3Ffilename=draft-freed-sieve-ihave.html">Balloting</a>:

- <ol>

- <li> Russ Housley: Comment [2008-12-14]: In the Gen-ART Review by Ben Campbell, he suggested that the last paragraph of Section 4, last paragraph be moved toward the front of the document since it significantly constrains the scope.

- <li> Tim Polk:Discuss [2008-12-17]:From Section 4, Ihave Test

- <br> "Ihave is designed to be used with extensions that add tests, actions, comparators, or arguments. It MUST NOT be used with extensions that change the underlying Sieve grammar or extensions like variables [RFC5229] that change how the content of Sieve scripts are interpreted."

<br> Is this constraint (the MUST NOT) enforced by the sieve implementation, or is this an admonition to script writers? I think the spec needs to be clear about the responsibility for this one...

<br> If the responsibility lies with the script writer, then the security considerations probably needs to describe the results of using ihave with the wrong classes of sieve extensions.

<br> Comment [2008-12-17]: This is just a style nit, but I found the capitalization of ihave at the beginning of a sentence rather confusing. I kept mentally converting "Ihave" to "I have" and then would have to convert it back again. Personally, I would stay with "ihave", even when starting a sentence. Just a thought.

<li> Magnus Westerlund: Comment [2008-12-17]: I think it would have been beneficial to include ABNF for how this fits the already existing SIEVE grammar.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: open not here, a discuss

<li> Lisa: Tim, did you get answer (for spec-writers)

<li> Tim: add a sentence or two, probably RFCed note, let's be clear whose responsibility this is (impact of ihave)

<li> Lisa: AD-followup

</ul><P>

<li> Multi-Protocol Label Switching (MPLS) label stack entry: "EXP" field renamed to "Traffic Class" field (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-mpls-cosfield-def-08.txt"> draft-ietf-mpls-cosfield-def-08.txt </a>

<br>Token: <a href="mailto:rcallon@juniper.net"> Ross Callon </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2976/index.html%3Ffilename=draft-ietf-mpls-cosfield-def.html">Balloting</a>:

<ol>

<li> Lars Eggert: Comment [2008-12-16]: Section 1.2, paragraph 7: "The EXP field has been renamed to the TC field, and thus all references in RFC 3270 to EXP field SHOULD be taken to refer to the TC field."

<br> I think the "SHOULD" here needs to be a "MUST" - otherwise it leaves the option of not using the new name. (And I don't believe an RFC2119 term is appropriate here, so it should be a lowercase "must".) Similar phrasings occur in Sections 2.3 and 2.4, and they should be changed accordingly.

<li> Tim Polk: Comment [2008-12-17]: Abstract:

<br> s/current use of the EXP this field/current use of this field/

<br> Section 1. Introduction

<br> s/after the work on the document were started/after the work on the document was started/

<br> Section 3. Use of the TC field

<br> s/have different TF fields from the rest/have different TC fields from the rest/

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: open not here, no discusses, approved

<li> Ross: RFCed note is ready (typed last night)

</ul><P>

</li>

</ol>

<p><b>2.1.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>2.2 Individual Submissions</b></p>

<p><b>2.2.1 New Items</b></p>

<ol>

<li> Message Header Field for Indicating Message Authentication Status (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-kucherawy-sender-auth-header-18.txt"> draft-kucherawy-sender-auth-header-18.txt </a>

<br>Token: <a href="mailto:lisa@osafoundation.org"> Lisa Dusseault </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2899/index.html%3Ffilename=draft-kucherawy-sender-auth-header.html">Balloting</a>:

<ol>

<li> Pasi Eronen: Comment [2008-12-18]: Some places that need minor clarifications:

<br> Section 2.4.2, "pass" bullet: "author domain signature" probably should be "author signature" (the term used in other bullets here, and in ADSP draft itself).

<br> Section 1: "...are the published e-mail authentication methods in common use" should probably be phrased something like "domain-level e-mail authentication methods (as opposed to user-level authentication mechanisms such as S/MIME and OpenPGP)"

<br> Section 1.5.2: "...a message which validates is indeed entirely authentic" I think in this context "entirely authentic" could be misleading; if the signature validates, the signed parts of the

message (the signature doesn't cover everything) haven't been modified after signing. Whether e.g. the value of the "From" field is entirely authentic depends on the signing practices (and for e.g. signatures added by mailing list exploders, that may vary). I'd suggest rephrasing this to something like "...a message which validates has not been modified after it was signed", or something like that.

<li> Russ Housley: Comment [2008-12-14]: In the Gen-ART Review by Suresh Krishnan, he said that one thing was unclear. He wanted to know how the MUA would convey the results to the user. For example, using the case C.5 from the appendix, what would the user actually see (Success indication, Failure indication, or something else)? Is this field used more as input for filters rather than communicating authentication information to the user? How is the authenticity of the sender established?

<li> Cullen Jennings: Comment [2008-12-17]: I can not find evidence on any IETF mailing list of any consensus to publish this.

<li> Chris Newman: Comment [2008-12-15]: ' "CFWS" is as defined in section 3.2.3 of [MAIL]. '

<br> I believe that should be section 3.2.2.

<li> Dan Romascanu: Discuss [2008-12-18]: There are three issues in the DNS-DIR review by Peter Koch which I would like to be addressed before I can support the approval of this document.

<ol>

<li> The draft has issues with terminology, when it again uses 'domain' as a synonym for an organization - even though it goes the laudable approach of re-introducing the term ADMD (which reminds me of X.400, again).

<br> 1.2 says: "This document makes several references to the "trust boundary" of an administrative mail domain (ADMD). Given the diversity among existing mail environments, a precise definition of this term isn't possible."

<br> Fine, although the relation to X.400 ADMDs might be worth noting to appreciate the historical parallels. The problem I see is that later in the document the term isn't used consistently, but instead "domain" again appears as an acting entity, as in [2.4.3] "none: No policy records were published by the sender's domain".

<br> There is a fundamental and reoccurring disagreement about the nature of "a domain" between the DNS and the Mail community, which is fine as long as each group is having internal conversation. At the overlap areas we have this issue over and over again and I'd really appreciate if that issue would be wider acknowledged and addressed. This isn't only about wording, but also about implications of hierarchy, administrative boundaries, setting "domain wide" defaults and so on.

<br> That said, introducing "ADMD" seems to be a good way forward, if it's used consistently and if the distinctions between an ADMD and a (DNS) domain are dealt with properly.

<li> 2. More to the protocol level, the references to DNS error conditions in sections 2.4.3 and 2.4.4 as well as 3 need a bit more thought.

<br> 2.4.4 defines the "iprev" method of "authentication" (which reminds me of our, dnsop's, reverse mapping draft under consideration). I can't tell the difference between

<br> "softfail: The reverse DNS evaluation failed. In particular, one or both of the "reverse" and forward lookups returned no data (i.e. a DNS reply code of NODATA)."

<br> and

<br> "permerror: The reverse DNS evaluation could not be completed due to some error which is unrecoverable (e.g. a DNS reply code of NODATA or NXDOMAIN). A later attempt is unlikely to produce a final result."

<br> First, there is no real reply code of NODATA (the description is usually NOERROR/NODATA, meaning NOERROR and empty answer section), but it's unclear to me what the author really wants to achieve here.

<li> 3. The description of the "iprev" method in section 3 defers details to RFC 4408, which is an experimental RFC, while the draft under consideration aims at Proposed.

<li> 4. Also, there's the conceptual/terminology issue again: "A successful test using this algorithm constitutes a result of "pass" since the domain in which the client's PTR claims it belongs has confirmed that claim. A failure to match constitutes a "hardfail". "

<br> It isn't that the match acknowledges the membership in some kind of administrative boundary; it's just a consistency check of some limited value. The whole discussion should take into account the long debate that has taken place in DNSOP regarding the draft-ietf-dnsop-reverse-mapping-considerations draft. This is currently expired, but will be revived and WGLCed "soon".

<br> Comment [2008-12-18]: Nit: 1.6 has a conflicting expansion of ADMD (s/Mail/Management/).

</ol>

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: number of open, not here, a discuss

<li> Lisa: Dan, when did DNSdir review come in

<li> Dan: last 6 hours

<li> Lisa: haven't seen it yet.

<li> Dan: terminology creating confusion, this doc will improve the situation but new terminology not consistent

<li> Lisa: Cullen, discussed on non-IETF list which uses NoteWell

<li> Cullen: one comment on IETF list, not clear whether he supports this; worried that we might be rubber-stamping something developed off

in a corner

- <li> Lisa: it's already implemented and deployed and interoperable
  - <li> Cullen: I would discuss if I had evidence of actual lack of consensus, just a comment because of the weak process
  - <li> Lisa: any other things to discuss; revised-ID needed
- </ul><P>

</ol>

<p><b>2.2.2 Returning Items</b></p>

<ol>

- <li> (none)

</ol>

<p><b>3 Document Actions</b></p>

<p><b>3.1 WG Submissions</b></p>

<p><b>3.1.1 New Items</b></p>

<ol>

- <li> LDP IGP Synchronization (Informational)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-mpls-ldp-igp-sync-03.txt"> draft-ietf-mpls-ldp-igp-sync-03.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2853/index.html%3Ffilename=draft-ietf-mpls-ldp-igp-sync.html">Balloting</a>:

<ol>

- <li> Ross Callon: Discuss [2008-12-17]: The authors have indicated that they intend to update the document right after the telechat to respond to Gen-Art and Sec-Dir reviews. I am just holding a "friendly" discuss that I will clear as soon as this update is out.

- <li> Pasi Eronen: Comment [2008-12-18]: (empty)

- <li> Russ Housley: Comment [2008-12-14]: Please look at the editorial comments in the Gen-ART Review from Francis Dupont.

</ol>

<P><b>Telechat</b>:

<ul>

- <li> Amy: no discuss... approved, notes?

- <li> Dan: technical summary needs to be filled in

</ul><P>

- <li> OSPFv3 Based Layer 1 VPN Auto-Discovery (Experimental)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-llvpn-ospfv3-auto-discovery-02.txt"> draft-ietf-llvpn-ospfv3-auto-discovery-02.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2876/index.html%3Ffilename=draft-ietf-l1vpn-ospfv3-auto-discovery.html">Balloting</a>:

<ol>

<li> Pasi Eronen: Discuss [2008-12-18]: I have question about TLV numbering. The L1VPN INFO TLV (RFC 5252 Section 2.2) used type "1", but apparently there's no IANA registry for these numbers. The L1VPN IPv6 INFO TLV (this document) uses type "2". Both the Link TLV in RFC 3630 and the Link TLV in ospfv3-traffic (either of which can be present here) also use type "2".

<br> Should we renumber the L1VPN IPv6 INFO TLV to "3" and the ospfv3-traffic Link TLV to "4", or somehow clarify how these are parsed?

<br> Comment [2008-12-18]: Section 2.2, "is either the Router Address TLV or Local interface IP address link sub-TLV" probably should be "is either the Router IPv6 Address TLV or Local Interface IPv6 Address sub-TLV" to match the terminology in ospfv3-traffic-13?

<li> Tim Polk: Comment [2008-12-18]: I support Pasi's discuss. In particular, when more than one L1VPN Info TLV is present, it is unclear to me how to determine if a TE Link TLV is present.

<li> Dan Romascanu: Discuss [2008-12-18]: The document contains no manageability or operational impact information. I would have expected at a minimum that it would mention the impact on network traffic (if any), coexistence and/or migration to version 2, how are the network devices configured ('management directives' are mentioned at one place, but this is too little), how is the discovery information exposed, and if any existing management data base (e.g. MIB module) needs to be created or extended to cover this functionality. If this information or part of it is available in some other document please indicate and provide that document as a reference.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple of discusses

<li> Dave: Dan, new version, are changes acceptable?

<li> Dan: haven't seen new version

<li> Dave: revised-ID needed

</ul><P>

<li> Urban WSNs Routing Requirements in Low Power and Lossy Networks (Informational)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-roll-urban-routing-reqs-02.txt"> draft-ietf-roll-urban-routing-reqs-02.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2958/index.html%3Ffilename=draft-ietf-roll-

urban-routing-reqs.html">Balloting</a>:

<ol>

<li> Jari Arkko: Comment [2008-12-18]: I support Pasi's Discuss.

<li> Ron Bonica: Comment [2008-12-18]: Also support Pasi's DISCUSS

<li> Pasi Eronen: Discuss [2008-12-18]: I have reviewed draft-ietf-roll-urban-routing-reqs, and I have major architectural concerns with the document.

<br> In particular, I was surprised to not find any description of the assumed network architecture in this document. I had assumed this would be just another routing protocol for IPv6, but that doesn't seem to be the case (the document doesn't actually say much about the network protocol this routing is for -- it could be something else than IP completely!)

<br> For example, there are parts (for example, "groupcast") that would seem to imply that the network layer protocol is not IPv6 (or it's either heavily extended, or a new network protocol layer is inserted above the link layer and below IPv6).

<br> There are also text that suggests that routers are not just network layer elements (that forward packets based on the network layer headers), but also include application layer functionality (that interacts with the network layer and routing in rather unspecified ways). It's not clear whether this is intended to be just co-location of different layers in the same physical box, or largely a non-layered architecture where there is no well-defined separation between the network layer/routing and application level functionality (and parts of applications are essentially merged to the network layer/routing -- so the network layer wouldn't really be IPv6 in any sense, even if the on-the-wire headers looked similar).

<br> Moving from the overall architecture to security specifically, as noted in Sandra Murphy's SecDir review, the document needs to make a clearer distinction between the security requirements/mechanisms of applications using the urban LLNs, requirements/mechanisms of data forwarding, and requirements/mechanisms for routing (maintaining the state used for data forwarding). Much of the confusion here probably comes from the above-mentioned lack of well-defined layers in the network architecture; in non-layered network architectures (e.g. "boxes connected by lines" or "beads on a string") the distinction between applications and network is less clear.

<br> Since it seems the expected modularization of functionality between layers (and in particular, functionality of the network layer protocol(s) and what "the network" looks like to applications) is somewhat different from normal Internet architecture and IPv6, it seems the WG should start with an architecture document before defining requirements for the routing protocol.

<br> That could describe at least the high-level view of how functions are modularized (layers or otherwise), how forwarding and

addressing work (important for routing -- includes where state is needed, how network resources are allocated, etc.), what entities are named/addressed (e.g. what layer the addresses refer to), and -- perhaps most importantly -- what "the network" looks like to applications running "on top of it" (if it's a layered architecture -- if it's not, that's even more complex).

<li> Russ Housley: Discuss [2008-12-14]: Based on the discussion that has followed the Gen\_ART Review by Brian Carpenter, an updated document is needed, and it has not been posted yet.

<li> Cullen Jennings: Comment [2008-12-17]: I'll be a bit surprised to see this have the security and reliability to control traffic lights.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple of discusses

<li> Pasi: resolving my discuss won't be easy; specifying requirement for routing on some network layer we don't know, dataflows over different paths, including middleboxes

<li> Dave: aggregation is attribute of a node, needs to be passed in protocol

<li> Pasi: specifying path involves forwarding plane

<li> Dave: based on attributes of links and nodes, the requirement is how to specify

<li> Pasi: if routing protocol is maintaining state, needs to know...

<li> Dave: knows topology and reachability; WG only chartered to specify extensions, what you're discussing is outside the charter

<li> Tim?: 6LOPAN can give us some guidance; no way to partition this problem if we open everything you want; need to modularize to maintain progress

<li> Dave: don't see how we can do what Pasi wants within the charter

<li> Ross: forwarding plane may not belong in Routing area

<li> Dave: we're merely at the requirements stage; this won't be the group defining transport

<li> Ross: the requirement I thought of don't belong in this document, so I didn't write them up

<li> Dave: also will have requirements for home, rural... will have to face shortest-path issues elsewhere

<li> Dave: Pasi's having audio problems, AD followup

</ul><P>

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<p><b>3.1.2 Returning Items</b></p>

<ol>

<li> (none)

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<p><b>3.2 Individual Submissions via AD</b></p>

<p><b>3.2.1 New Items</b></p>

<ol>

<li> (none)

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<p><b>3.2.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>3.3 Independent Submissions via RFC Editor</b></p>

<p><b>3.3.1 New Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>3.3.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>

<P> 1233 EDT break

<P> 1239 EDT back

<ul>

<li> Loa Andersson--- y

<li> Jari Arkko---

<li> Marc Blanchet---

<li> Ron Bonica--- y

<li> Ross Callon---

<li> Michelle Cotton--- y

<li> Lisa Dusseault--- y

<li> Lars Eggert---

<li> Pasi Eronen--- y

<li> Marshall Eubanks---

<li> Sandy Ginoza--- y

<li> Russ Housley---

<li> Cullen Jennings--- y

- <li> Olaf Kolkman--- y
  - <li> John Leslie--- y
  - <li> Cindy Morgan--- y
  - <li> Chris Newman--- y
  - <li> Ray Pelletier---
  - <li> Jon Peterson---
  - <li> Tim Polk--- y
  - <li> Dan Romascanu--- y
  - <li> Mark Townsley--- y
  - <li> Amy Vezza--- y
  - <li> Dave Ward--- left during break
  - <li> Magnus Westerlund--- y
- </ul>

<p><b>4 Working Group Actions</b></p>

<p><b>4.1 WG Creation</b></p>

<p><b>4.1.1 Proposed for IETF Review</b></p>

<ol>

<li> Message Organization (morg)

<br>Token: <a href="mailto:chris.newman@sun.com"> Chris </a>

<P><b>Telechat</b>:

<ul>

<li> Amy: and objection to external review

<li> Lisa: pretty poor participation from clients doing the most work

<li> Chris: reasonable attendance at BoF

<li> Lisa: was AppleMail there? Can we get charter considered outside the usual channels

<li> Chris: can seek volunteer to proslytize

<li> Lisa: I can do some of that

<li> Chris: working on CoChair

<li> Amy: external review approved

</ul><P>

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<p><b>4.1.2 Proposed for Approval</b></p>

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<li> (none)

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<p><b>4.2 WG Rechartering</b></p>

<p><b>4.2.1 Under evaluation for IETF Review</b></p>

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<li> (none)

</ol>

<p><b>4.2.2 Proposed for Approval</b></p>

<ol>

<li> (none)

</ol>

<p><b>5. IAB News We can use</b></p>

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<li> Loa: not much to say; one aspect of NAT66

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<p><b>6. Management Issues</b></p>

<ol>

<li> Early RFC number assignment for draft-jerichow-msec-mikey-genext-oma (Tim Polk)

<P><b>Telechat</b>:

<ul>

<li> Tim: request from authors, open mobile, asking for early assignment of RFC#

<li> Sandy?: no such thing as early assignment, only expedited publishing

<li> Amy: expedited publishing approved

</ul><P>

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<p><b>7. Agenda Working Group News</b></p>

<ul>

<li> Jari Arkko (Internet)---

<li> Ron Bonica (O & M)--- nothing

<li> Ross Callon (Routing)--- nothing

<li> Lisa Dusseault (Applications)--- no

<li> Lars Eggert (Transport)---

<li> Pasi Eronen (Security)--- no

<li> Russ Housley (General)---

<li> Cullen Jennings (RAI)--- heads up, transition to new IPR rules, how to get permission from previous authors, likely to show up at IESG soon

<li> Olaf: Russ offline due to conference in China; issue is with IETF-approved BCP, just returned from conference call discussing possible work-around

<li> Lisa: is there anything we can tell the community?

<li> Olaf: problem is with revision of documents before November 10, need warranty for use outside IETF, may be impossible; not an issue for completely new work

<li> Cullen: exchanged email with Russ: he will try to work on it tomorrow

- <li> Ron: does trouble date from our Nov 10 action?
- <li> Olaf: problem existed before that, finger-pointing doesn't help; not quite clear what to do about copyright notice, current boilerplate may be inaccurate; recommend a notice that we're aware of the problem and working on it -- hopefully before Christmas
- <li> Chris Newman (Applications)--- pass
- <li> Jon Peterson (RAI)---
- <li> Tim Polk (Security)--- pass
- <li> Dan Romascanu (O & M)--- nothing
- <li> Mark Townsley (Internet)--- nothing
- <li> Dave Ward (Routing)---
- <li> Magnus Westerlund (Transport)--- nothing

</ul>

<P>1301 EDT Adjourned

<hr>

<P><a href="http://validator.w3.org/check?uri=referer"></a>

</body>

</html>

--qlTNgmc+xy1dBmNv--

Return-Path: <iesg-bounces@ietf.org>

X-Original-To: iesg-archive@ietf.org

Delivered-To: ietfarch-iesg-archive@core3.amsl.com

Received: from [127.0.0.1] (localhost [127.0.0.1])

by core3.amsl.com (Postfix) with ESMTP id C5BE128C0FA;

Wed, 7 Jan 2009 15:15:23 -0800 (PST)

X-Original-To: iesg@core3.amsl.com

Delivered-To: iesg@core3.amsl.com

Received: from localhost (localhost [127.0.0.1])

by core3.amsl.com (Postfix) with ESMTP id BF3D128C0FA;

Wed, 7 Jan 2009 15:15:22 -0800 (PST)

X-Virus-Scanned: amavisd-new at amsl.com

X-Spam-Flag: NO

X-Spam-Score: -2.98

X-Spam-Level:

X-Spam-Status: No, score=-2.98 tagged\_above=-999 required=5 tests=

[AWL=-2.770,

BAYES\_00=-2.599, FRT\_STOCK2=3.988, HTML\_MESSAGE=0.001,

J\_CHICKENPOX\_13=0.6, J\_CHICKENPOX\_43=0.6, J\_CHICKENPOX\_47=0.6,

J\_CHICKENPOX\_64=0.6, RCVD\_IN\_DNSWL\_MED=-4]

Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id qsA05YK90l+C; Wed, 7 Jan 2009 15:15:18 -0800 (PST)  
Received: from mailhost.jlc.net (mailhost.jlc.net [199.201.159.9])  
by core3.amsl.com (Postfix) with ESMTP id 0D2AC28C0E5;  
Wed, 7 Jan 2009 15:15:17 -0800 (PST)  
Received: by mailhost.jlc.net (Postfix, from userid 104)  
id 5AAE533C29; Wed, 7 Jan 2009 18:15:04 -0500 (EST)  
Date: Wed, 7 Jan 2009 18:15:04 -0500  
From: John Leslie <john@jlc.net>  
To: The IESG <iesg@ietf.org>, avezza@amsl.com, cmorgan@amsl.com,  
iesg-scribes@ietf.org  
Subject: Re: [IESG-SCRIBES] DRAFT Narrative Minutes for December 18,  
2008 Telechat  
Message-ID: <20090107231504.GA22987@verdi>  
References: <20081217224542.838BE28C118@core3.amsl.com>  
<20081218183456.GH93226@verdi>  
Mime-Version: 1.0  
Content-Type: multipart/mixed; boundary="d6Gm4EdcadzBjdND"  
Content-Disposition: inline  
Content-Transfer-Encoding: 8bit  
In-Reply-To: <20081218183456.GH93226@verdi>  
User-Agent: Mutt/1.4.1i  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

--d6Gm4EdcadzBjdND  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

(I received no corrections.)

john@verdi> diff IESGnarrative-2008-12-18.html0

IESGnarrative-2008-12-18.html

12c12

< <p>Corrections from:

---

> <p>Corrections from: (none)

john@verdi>

--

John Leslie <john@jlc.net>

--d6Gm4EdcadzBjdND

Content-Type: text/html; charset=unknown-8bit

Content-Disposition: attachment;

filename="IESGnarrative-2008-12-18.html"

Content-Transfer-Encoding: 8bit

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">

<html>

<head>

  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

  <meta http-equiv="Content-Style-Type" content="text/css">

  <title></title>

</head>

<body>

<p><b>IESG Narrative Minutes</b></p>

<p>Narrative Minutes of the IESG Teleconference on 2008-12-18. These are not an official record of the meeting.

<p>Narrative scribe: John Leslie (The scribe was often uncertain who was speaking.)

<p>Corrections from: (none)

<p>

<p><b>1 Administrivia</b></p>

<ol>

  <li>Roll Call 1135 EDT Amy:

  <ul>

    <li>Loa Andersson--- y

    <li>Jari Arkko--- regrets

    <li>Marc Blanchet---

    <li>Ron Bonica--- y

    <li>Ross Callon--- y

    <li>Michelle Cotton--- y

    <li>Lisa Dusseault--- y

    <li>Lars Eggert--- regrets

    <li>Pasi Eronen--- y

- <li> Marshall Eubanks---
- <li> Sandy Ginoza---
- <li> Russ Housley--- regrets
- <li> Cullen Jennings--- y
- <li> Olaf Kolkman---
- <li> John Leslie--- y
- <li> Cindy Morgan--- y
- <li> Chris Newman--- y
- <li> Ray Pelletier--- regrets
- <li> Jon Peterson---
- <li> Tim Polk--- y
- <li> Dan Romascanu--- y
- <li> Mark Townsley--- y
- <li> Amy Vezza--- y
- <li> Dave Ward--- y
- <li> Magnus Westerlund--- y

<li>Bash the Agenda

<ul>

- <li> Amy: any new?
- <li> Dave: need to leave early, 4 drafts early
- <li> <i>NOTE: These were discussed before any other Protocol Actions, but the narrative minutes are shown in agenda order</i>
- <li> Michelle: need followup on formal language, maybe action item for Russ
- <li> Amy: haven't gotten it yet, action item

<li>Approval of the Minutes of the past telechat

<ul>

- <li> December 11 minutes--- approved
- <li> December 11 narrative minutes--- approved

<li>Review of Action Items from last Telechat

<ul>

- <li> Amy: Magnus BCP 32
- <li> Magnus: in progress
- <li> Dave Rsync: in progress
- <li> Russ/Dave BCP: in progress
- <li> Dan: still in progress
- <li> Ron: overcome-by-events: still in progress

</ol>

<p><b>2 Protocol Actions</b></p>

<p><b>2.1 WG submission</b></p>

<p><b>2.1.1 - New Items</b></p>

<ol>

<li> TCP User Timeout Option (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-tcpm-tcp-uto-10.txt"> draft-ietf-tcpm-tcp-uto-10.txt </a>

<br>Token: <a href="mailto:magnus.westerlund@ericsson.com"> Magnus Westerlund </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2028/index.html%3Ffilename=draft-ietf-tcpm-tcp-uto.html">Balloting</a>:

<ol>

<li> Ron Bonica: Discuss [2008-12-18]: This may be a very short-lived discuss. In the security section, you recommend the use of IPSEC or TCP-MD5. AFAIK, TCP-MD5 is rarely implemented on boxes that aren't routers. Wouldn't you be better off recommending TCP-AO?

<li> Pasi Eronen: Discuss [2008-12-15]: I have one concern that I'd like to discuss before recommending approval of the document:

<br> If the data cited in Section 4.1 is a reasonable approximation of reality -- and 3% of TCP connections would fail -- doesn't this mean that either (a) no popular OS or popular application (such as email, IM, or SSH client -- all of which would potentially benefit from longer timeouts) can enable this by default, or (b) it has to implement some kind of recovery logic (if using UTO fails, disable it and establish new connection without UTO).

<br> If this is the case, it should be mentioned in e.g. Section 4.1, possibly sketching how the recovery logic would work (so each app doesn't have to reinvent it, possible badly).

<li> Russ Housley: Discuss [2008-12-12]: In the Gen-ART Review from Scott Brim, a significant question was raised, and the WG has not provided an answer. Scott asked: "Since a UTO can apparently be sent at any time, what happens if a UTO is received that shortens the timeout and there are unacknowledged packets that are already beyond the new timeout value?"

<li> Cullen Jennings: Comment [2008-12-17]: I think this is great (as long as it works through firewalls and nats - and support that part of Pasi discuss) but I think that it has to be exposed to apps and support that parts of Chris' discuss.

<li> Chris Newman: Discuss [2008-12-15]: Is the intention to have this be used only by operating system software? Or should this be made visible to applications? If the latter is the case, is there work in progress to define the identifiers and structures that would be used with setsockopt() so this would have a chance of deploying?

<br> Applications sometimes have information about the desirability of long lived connections. For example, HTTP wouldn't

benefit from longer user timeouts, IMAP+TLS benefits quite a bit, while SSH could benefit a great deal (especially if the user has spent time setting up multiple data tunnels). But as we've seen with the IPv6 mess prior to getaddrinfo, if the socket extension identifiers/structures aren't nailed down early deployment is slowed greatly when communication between the transport and application layers is needed.

<br> Also, because communication of timeout information between the TCP stack and application software has been so poor in the past, quality server applications will put sockets in non-blocking mode and implement their own timeouts with select/poll or equivalent and shut down the socket. If applications have no way to communicate this to the TCP stack, the stack could negotiate a timeout longer than the application timeout and thus create a false expectation for connection retention.

<li> Tim Polk: Comment [2008-12-17]: I support Chris's and Pasi's discusses. The failure rate with middleboxes could present a significant problem unless the TCP stack is clever enough to establish new connections without using uto after failure. The onus is clearly on the TCP stack to adjust since the "communication of timeout information between the TCP stack and application software has been so poor in the past" to quote Chris's discuss.

<li> Dan Romascanu: Discuss [2008-12-17]: The document is missing any manageability or operational considerations. Although section 3 mentions that the UTO can be enabled either on a per-connection basis, or controlled by a system-wide setting there is no further indication what this means from the point of view of system operators. There is also no indication about performance measurement, especially on the light of the fact that reliability issues are a concern and are discussed. Last would the MIB modules defined in RFC 4022 or RFC 4898 need to be extended to cover this new option?

</ol>

<P><b>Telechat</b>:</P>

<ul>

<li> Amy: open, Dave: no-pos; number of discusses

<li> Magnus: none in particular need to discuss today

<li> Cullen: is there some document we're just missing

<li> Magnus: no API description... let Lars lead that; revised-ID

needed

</ul><P>

<li> ForCES Protocol Specification (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-forces-protocol-19.txt"> draft-ietf-forces-protocol-19.txt </a>

<br>Token: <a href="mailto:rcallon@juniper.net"> Ross Callon </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/

telechat/2008-12-18/ballot/2069/index.html%3Ffilename=draft-ietf-forces-protocol.html">Balloting</a>:

<ol>

<li> Cullen Jennings: Discuss [2008-12-17]: I don't see how one can get interoperability without specifying at least one mandatory to implement TML. Or say something like the CE needs to implement A and B and the FE can choose A or B.

<li> Tim Polk: Discuss [2008-12-18]: My concerns are related to Cullen's and Magnus's issues, but with a security area spin:

<br> This document does not clearly specify the security requirements that need to be supported by every TML. In the absence of those requirements, the document needs to specify a single TML with strong security properties as mandatory to implement. Otherwise, two fully compliant implementations might be interoperable but have no ability to provision security.

<br> Alternatively, this document could clearly specify that all TMLs MUST include mandatory to implement mechanism that provide the necessary security services. Note that the SCTP TML specification implies that such mechanisms need to be specified for each TML:

<br> I personally prefer the second solution (establishing requirements for all TMLs) but that does not resolve Cullen's issue. Specifying a mandatory to implement TML with appropriate security properties would resolve both our discusses. (Add in the reliability requirements and you could take care of Magnus' first issue as well.)

<li> Magnus Westerlund: Discuss [2008-12-18]:

<br> 1. Section 1: As the reliability requirement is for varying degrees of reliability it seems that some discussion should be had if this can be realized by using different TMLs or if a single TML needs to provide all the different degrees of reliability?

<br> 2. Section 5: "3. Congestion control..."

<br> Isn't this split putting too much functionality regarding overload control into the TML rather than having it in the PL? It seems correct to have the TML be responsible for transport congestion avoidance. However, if it is the FORCES nodes themselves that are overloaded rather than the network connecting them duplicating the overload protection mechanism in each TML seems wrong. Are there good reasons for doing overload protection in the TMLs rather than the PL?

<br> Looking at <http://www.ietf.org/internet-drafts/draft-ietf-forces-sctptml-01.txt> it seems that the difference between transport congestion control and overload protection is not correctly considered.

<br> To me it seems that one needs to dig much more into the details of how overload prevention and handling affects the priorities and is affected by head of line blocking within the underlying transport. Also with a two layer approach the pushback in overload situations to the PL becomes more complex and needs to be considered.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: number of open, Lisa: no-pos, Pasi: no-pos, Dan: no-pos; couple of discusses

<li> Ross: also not enough votes; probably revised-ID needed, deal with discusses, back on agenda later

<li> Magnus: fundamental thing, separation between congestion control and overload

<li> Ross: TML contains useful info, draft not quite done; may be blades within chassis; or multiple boxes connected by ethernet, protocol to interconnect; for short burst, you may overload one outgoing interface, internal hardware issue

<li> Magnus: buildup if processing overload...

Ross: maybe need to have meeting with authors, try email first, telechat if necessary; of routers I understand, there's a wide range, not clear best approach; revised-ID needed plus followup with authors

</ul><P>

<li> ForCES MIB (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-forces-mib-10.txt"> draft-ietf-forces-mib-10.txt </a>

<br>Token: <a href="mailto:rcallon@juniper.net"> Ross Callon </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2274/index.html%3Ffilename=draft-ietf-forces-mib.html">Balloting</a>:

<ol>

<li> Dan Romascanu: Comment [2008-12-10]: This document underwent MIB Doctors reviews from John Flick and Bert Wijnen. It would be nice to mention them in the Protocol Quality section of the announcement together with the other reviews and to acknowledge the contribution of the two MIB Doctors in the document (right now only John is mentioned).

<li> Magnus Westerlund: Comment [2008-12-18]: To me it seems this MIB modules fails to instrument any aspect of the protocol that would tell an administrator that there is an overload situation. Maybe for a future MIB.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple open, Cullen: no-pos; no discusses, enough positions to pass

<li> Ross: should we hold on basis of protocol change may require MIB change?

<li> Dan: entering discuss, waiting for base document

<li> Ross: AD-followup

</ul><P>

<li> Internet Calendaring and Scheduling Core Object Specification (iCalendar) (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-calsify-rfc2445bis-09.txt"> draft-ietf-calsify-rfc2445bis-09.txt </a>

<br>Token: <a href="mailto:lisa@osafoundation.org"> Lisa Dusseault </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2819/index.html%3Ffilename=draft-ietf-calsify-rfc2445bis.html">Balloting</a>:

<ol>

<li> Lars Eggert: Comment [2008-12-16]: Section 3.2.6., paragraph 5: What's the status of "file://" and "ftp://"? RFC1738 was obsoleted, and while "telnet://" and "gopher://" have been resurrected (RFC 4248, RFC 4266), I couldn't locate an RFC that did the same for these two.

<br> (Making this a comment, since I won't be on the call and I don't want to block.)

<li> Pasi Eronen: Discuss [2008-12-18]: A question based on Richard Barnes's SecDir review: when using BINARY data type with in-line encoding, should the text say FMTTYPE MUST be included (or SHOULD be included)? Or is the recipient supposed to guess semantics from e.g. file name extension or data contents?

<li> Russ Housley: Comment [2008-12-12]: This minor error was caught in the Gen-ART Review by Gonzalo Camarillo:

<br> OLD: This property SHOULD not be used to alter the interpretation of

<br> NEW: This property SHOULD NOT be used to alter the interpretation of

<li> Dan Romascanu: Comment [2008-12-17]: I support Magnus's DISCUSS based on Lars's comment about the reference to RFC1738.

<li> Magnus Westerlund: Discuss [2008-12-17]: I will take on Lars comment and keep that as a discuss. There is a normative reference to RFC 1738 that is an obsoleted RFC.

<br> Is it necessary to include these scheme identifiers? Can it be done in some other way that doesn't make it into a normative ref?

<br> Comment [2008-12-17]: The ABNF is not formally correct: There are some multi-line rules containing empty lines, like calprops and many of the other &lt;x>props rules. I understand that this is for readability however, it is against the ABNF rules.

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<P><b>Telechat</b>:

<ul>

<li> Amy: couple open, Cullen: prefer not, ran out of time

<li> Lisa: will take discussion to authors; Dan, agree normative ref

<li> Chris: will respond to authors

- <li> Lisa: revised-ID needed
- <li> Magnus: cleared

</ul><P>

<li> Mobile IPv6 Support for Dual Stack Hosts and Routers (DSMIPv6)  
(Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-mext-nemo-v4traversal-07.txt"> draft-ietf-mext-nemo-v4traversal-07.txt </a>

<br>Token: <a href="mailto:jari.arkko@piuha.net"> Jari Arkko </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2864/index.html%3Ffilename=draft-ietf-mext-nemo-v4traversal.html">Balloting</a>:

<ol>

<li> Ross Callon: Discuss [2008-12-11]: I don't believe that this spec is remotely close to complete for the general case of mobile IPv4/IPv6 routers. Unless I am missing something, this is really a document for mobile hosts. The easiest way to resolve this, at least for this one document, is probably to remove the "and routers" from the title and a very few places in the draft (I think just the fourth paragraph in section 2).

<br> Alternately, has this been thought through for a very specific type of router, such as the NAT box / wireless router that sits between many home networks and the DSL/Cable connection to an ISP? If so, then the scope of what routers this applies to should be described.

<li> Lars Eggert: Discuss [2008-12-16]: (Updated 2008-12-16) Some of the issues raised in Colin Perkins' tsv-fir review seem to not have been addressed in -07. I may not have been CC'ed on all the emails - it would be useful if the authors would respond to his review and briefly outline how each issue got handled.

<br> Comment [2008-12-10]: Section 2., paragraph 0: "Note also that documents published as "RFC Editor contributions" [RFC3978] are not considered to be IETF documents."

<br> I think you want to refer to the different streams defined in RFC4844 here, rather than to the long-obsolete RFC3987.

<li> Pasi Eronen: Discuss [2008-12-17]:

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<li> The text about TLV-header and GRE tunneling seems vastly underspecified, and unlikely to lead to interoperability. For example:

<ul>

<li> Apparently the 'T' bit does mean only that MN supports the general TLV format; it may not support any of the specific TLV types, such as GRE (and new ones may be defined in the future). How this is supposed to work?

<li> There's no text describing how GRE tunneling is actually done; for example, how the various parts of GRE header are set/

used in the context of Mobile IPv6, how that interacts with RFC 4877, etc.

- <li> Why does the TLV header include the "Length" field? (since the length is already known from the outer header) Can there be multiple TLVs inside one packet, or something?

- <li> Section 5.1 says "The Type field is limited to values of 0 and 1 to make sure that the receiver can tell the difference between the Type field and the IP version field in a packet that contains an IP header after UDP." Does that mean that IANA sections should say the registry has just a single unallocated value (0)?

- </li>

The text is unclear whether UDP tunneling (either vanilla or TLV) can be used when in IPv6 network (that is, IPv6 care-of address). Most of the text (e.g. 1st sentence of Section 5.4.3) indicates it cannot be used (when in IPv6 network, MN works as in RFC 3775), but some parts (e.g. third figure in Section 5.1, 3rd paragraph in Section 6) suggest it can. If it's the former, I'd suggest adding text like "This flag MUST NOT be set when IPv6 Care-Of Address is used" to Sections 4.1.3, 4.2.2, 4.2.3 (and fixing 5.1). If it's the latter, there's more work to do.

- <li> Section 3.1: "Note that the use of [I-D.ietf-mip6-bootstrapping-integrated-dhc] cannot give the mobile node information that allows it to continue to communicate with the home agent if, for example, the mobile node moved from an IPv6- enabled network to an IPv4-only network."

<br> This seems incorrect -- this draft can give you e.g. the IPv4 address of the home agent, so the MN can continue to communicate with the HA if it moves to an IPv4-only network. This sentence probably means that if the MN is in an IPv4-only network, and it already doesn't have this information, it can't use this draft to obtain it (since it's based on DHCPv6, not DHCPv4)?

- <li> Section 3.2: "Securing these messages requires the mobile node to have a security association with the home agent, using IPsec (AH or ESP) and based on the mobile node's IPv4 care-of address as described in [RFC3775]. Since the mobile node needs to encapsulate all IPv6 traffic sent to the home agent into IPv4 while located in an IPv4-only visited network, this SA would match all packets if the selectors were based on the information in the outer header."

<br> This looks strange (when using tunnel mode IPsec, the selectors select the packets to be protected before the outer header is added -- so the last sentence is weird) -- what are the IPsec SPD entries, and what does the resulting packet look like?

- <li> Section 5.3 should mention that two sets of keepalives have to be sent (one for DSMIPv6 port, another for 4500).

- </li>

Comment [2008-12-17]: While IPsec may have been a reasonable

solution for the security requirements of RFC 3775, this draft (and the multiplecoa draft) IMHO clearly show that IPsec is not an appropriate solution for these MIPv6 extensions.

<br> Once the concerns in my "discuss" have been addressed (which should not be very difficult), I intend to ballot "abstain".

<li> Russ Housley: Discuss [2008-12-14]: Draft -07 was generated to handle the Gen-ART Review comments from Brian Carpenter. Brian raised two more comments when the new version was posted:

<ol>

<li> A normative reference to an Informational RFC needs to be handled by the downref procedure. That concerns RFC 2983 and RFC 4459.

<li> Several normative references are listed as informative. That's a matter of judgement and consensus, so the WG and the IESG are free to disagree. The fact that GRE is only an optional feature doesn't prevent it being a normative reference, however; the question is whether an implementer can implement that option without reading RFC 2784. The same applies to all the other cases Brian suggested should be normative.

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<li> Dan Romascanu: Comment [2008-12-18]: The OPS-DIR review by Tina Tsou raised a number of questions and pointed to nits. Although none of them seem a show stopper, I believe that they should be addressed for better clarity and quality of this document:

<ol>

<li> In section 5.1, 5.4.2, 6.2.1, vanilla occurs 6 times and is ambiguous. Clarification would be welcome to explain what is meant.

<li> In section 5.3, it is mentioned that if the mobile node is not active, it will send binding update to the home agent. It is not clear how home agent operates upon receiving the binding update message? Also if the mobile node is not active, does it mean the mobile node is not reachable?

<li> In section 5.3, it is mentioned that the mobile node maintains NAT binding, if the mobile node is not reachable, then it need not to refresh the NAT binding. What is confusing here is that NAT devices also maintains NAT binding associated with the mobile node, so if the mobile node is not reachable, will the mobile node refresh the NAT binding in itself or in NAT on the path between the mobile node and the home agent? Moreover if the mobile node is not reachable, does it mean the mobile node changes the port or private address? Clarification would be welcome.

<li> It is not clear what,Âs the difference for NAT keep alive between the mobile node behind NAT and the home agent behind NAT.

</ol>

<li> David Ward: Discuss [2008-12-10]: The document specifies that it is to cover the specification for mobile routers as well as hosts. In fact, nothing is called out for routers. In particular, given there are

many issues for mobile routers and routers in mobile ad hoc networks; I would have expected at least references to issues associated with mobile routers. The term "router" is used only twice in the document.

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<P><b>Telechat</b>:

<ul>

<li> Amy: Jari not here, couple of open, Ron: pass, Lisa: will check, number of discusses; revised-ID needed

</ul><P>

<li> IANA Considerations for RPC Net Identifiers and Universal Address Formats (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-nfsv4-rpc-netid-05.txt"> draft-ietf-nfsv4-rpc-netid-05.txt </a>

<br>Token: <a href="mailto:lars.eggert@nokia.com"> Lars Eggert </a>  
Note: Document Shepherd: Spencer Shepler (shepler@storspeed.com)

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2869/index.html%3Ffilename=draft-ietf-nfsv4-rpc-netid.html">Balloting</a>:

<ol>

<li> Lisa Dusseault: Comment [2008-12-17]: I don't understand why this document has both registered netids and constants. That seems redundant to me.

<li> Pasi Eronen: Discuss [2008-12-16]: The document seems to assume that a pointer to a transport protocol spec (e.g. RFC 4340 for DCCP or RFC 2960 for SCTP) is enough to describe how to use it with RPC. I'm not sure that's always the case.

<br> In particular, are there existing implementations of dccp/dccp6 and sctp/sctp6? If not, consider leaving their registration later. If yes, is there any written documentation about how they use DCCP/SCTP? (For the tcp/tcp6 entries, I'd also suggest adding a pointer to RFC 1831)

<br> Another question: Section 4.2 says "All requests for assignments to the format registry on a Standards Action basis must undergo Expert Review and must be approved by IESG". Expert Review+IESG Approval is one possible IANA policy for this registry, but it's not the same as Standards Action. Please clarify which is meant.

<li> Tim Polk: Comment [2008-12-17]: In sections 4.1 and 4.2, the registrant provides a value of TBD1 in the registration request, and IANA substitutes the assigned value for TBD1. This is very clear but isn't quite right if a single document requests multiple registrations. In that case, the provided values would also include TBD2, ..., TBDx.

<br> To be honest, I'm not sure if any readers would actually be confused and I can't think of a better way to write the text myself. If an obvious solution comes to the author, that would be great.

Otherwise, there is probably no harm in proceeding as is.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: open not here; Lars not here; Pasi, what do you think we need?

<li> Pasi: AD-followup -- might handle with RFCed note

</ul><P>

<li> OSPF Link-local Signaling (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-ospf-lls-05.txt"> draft-ietf-ospf-lls-05.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2901/index.html%3Ffilename=draft-ietf-ospf-lls.html">Balloting</a>:

<ol>

<li> Ross Callon: Discuss [2008-12-17]: My discuss is really a question. I apologize that I didn't get a chance to ask the authors prior to the telechat and expect that I am quite likely to clear during the telechat.

<br> How much testing and/or deployment experience is there with this feature? Are we confident that there aren't any existing implementations that suffer some sort of unfortunate reaction (such as crashing) when they get OSPF packets that contain TLVs encoded in this manner?

<li> Lisa Dusseault: Comment [2008-12-17]: I had the same question as Pasi to be sure that this actually gets marked as obsoleting RFC4813.

<li> Lars Eggert: Comment [2008-12-16]: Section 2., paragraph 4: "The LLS data block MAY be attached to OSPF Hello and DD packets." The "MAY" is ambiguous - do you mean "MUST only"?

<br> Section 6.1., paragraph 4: "[OSPFV3] Coltun, R., Ferguson, D., and J. Moy, "OSPF for IPv6", RFC 2740, December 1999." Obsolete normative reference: RFC 2740 (ref. 'OSPFV3') (Obsoleted by RFC 5340). Please add RFC Editor Note.

<li> Pasi Eronen: Discuss [2008-12-16]:

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<li> Should this document (once approved) obsolete RFC 4813? Either way, the document needs to describe its relationship to RFC 4813, and list changes done since it

<li> A question: do you have data to show that existing implementations (that don't support RFC 4813/this draft) actually behave as assumed here? (That is, accept OSPF packets with extra junk at the end -- this sounds like the kind of thing implementations often get wrong....) I assume you have such data, but briefly summarizing the real-worldsituation in Section 4 would be very useful.

- <li> Section 3 is unclear whether the IANA is asked to create a registry for this document, or just update the registry created for RFC 4813 to point to this document (or possibly something else).

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<br> From Stephen Farrell's SecDir review (which also needs a reply):

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- <li> Section 2.2 describes the use of the checksum field, but never says what to do if the checksum is wrong. Is just the LLS block ignored or the entire OSPF message?

- <li> Section 2.2 doesn't say whether the checksum bits (presumably zero'd?) are considered part of the LLS block when calculating the checksum.

- <li> The spec doesn't say what to put in the checksum field when using the Cryptographic Authentication TLV (presumably 0, but should be said)

- <li> Section 2.5 is quite vague on exactly what data is used when calculating AuthData. Does it include the TLVs following CA-TLV? (Presumably yes, but the text should say so.) What's placed in the AuthData field during the calculation? (Presumably zeroes, but the text doesn't say.)

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Comment [2008-12-16]:

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- <li> Stephen Farrell's SecDir review had some suggestions for clarification and editorial nits.

- <li> [IANA] has been obsoleted by RFC 5226.

- <li> [OSPFV3] has been obsoleted by RFC 5340.

- </ul>

- <li> Russ Housley: Discuss [2008-12-12]: Spencer Dawkins raised a few questions in his Gen-ART Review that was posted on 2008-11-05. There was not a response to these questions. Please address these questions.

- <br> The document says: "The 16-bit LLS Data Length field contains the length (in 32-bit words) of the LLS block including the header and payload. Implementations MUST NOT use the Length field in the IP packet header to determine the length of the LLS data block."

- <br> Spencer asked: "I'm not sure this is a 2119 MUST NOT - aren't you just saying that if you try it, you'll fail?"

- <br> The document says: "The CA-TLV MUST only appear once in the the LLS block. Also, when present, this TLV SHOULD be the last TLV in the LLS block."

- <br> Spencer asked: "Why SHOULD and not MUST? At a minimum, I would expect to see some description of what should happen if CA-TLV is NOT the last TLV in the LLS block - and if the expectation is that processing continues, I'm not sure what this sentence means..."

- <li> Tim Polk:Discuss [2008-12-17]: Two issues I would like to

discuss about LLS. Assuming that these issues need to be addressed, I believe they could be handled in the security considerations.

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<li> Since LLS is optional and is not a negotiated capability, there is no way to determine if the OSPF router receiving the OSPF packet is using this information. Section 2 glosses over these complications by stating "changes made due to LLS block TLV's do not affect the basic routing when interacting with non-LLS routers."

<br> This strikes me as a goal rather than a promise. I think text describing the implications of poorly designed LLS data processing is needed, and provide reasonable guidance for protocol designers that want to use this feature.

<li> I think there is a decent chance that a router will be connected to a router that either doesn't recognize LLS at all or expects different information to be transmitted (routers from a different domain or manufacturer?). Given that, wouldn't it be prudent to recommend that this feature be configurable on a per-interface basis?

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Comment [2008-12-17]: The security considerations section would benefit from a few pointers and a bit more text. I suggest adding the following to the first paragraph:

<br> Security Considerations inherited from OSPFv2 are described in [OSPFV2].

<br> I would suggest adding the following to the second paragraph:

<br> Security considerations inherited from OSPFv3 are described in [OSPFv3] and [OSPFV3AUTH].

<li> Dan Romascanu: Discuss [2008-12-17]:

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<li> The IANA considerations section should be expressed in terms of RFC 5226, which replaces RFC 2434 which would have been the correct reference for [IANA]. If I understand correctly the policy for values 0-32767 is intended to be IETF Review, while the policy for values 32768-65536 is Expert Review.

<li> It is not clear to me what Private and Experimental TLVs mean. Will an Experimental TLV be marked in any way, so that routers know that they are dealing with an experiment? I do not understand how this is possible, and unless there is some good reason I suggest to drop Experimental and leave this option for private usage only.

<li> I would suggest some more crisp text that makes clear the criteria for approving TLVs i.e. for the goal of OSPF Link-Local signaling. Unless the intent is to allow for this technique to become a vehicle for transferring arbitrary information, it would be good to make clear that such overloading of the semantics is not permitted.

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<li> Mark Townsley: Comment [2008-12-18]:

<br> 2.4. Extended Options TLV: "Bits in the Value field do not have any semantics from the point of view of the LLS mechanism. This field MAY be used to announce some OSPF capabilities that are link-specific. Also, other OSPF extensions MAY allocate bits in the bit vector to perform boolean link-local signaling."

<br> This field doesn't seem to scope the LLS options to be link-local in nature, which I would think would be a minimum requirement. Further, it seems that the bits are not even restricted to being "Extended Options" given that there is explicit wording allowing the bits to be used as boolean flags.

<br> I think that at a minimum this needs to be scoped to link-local signaling, and should probably be renamed to "Extended Flags" or some such so that people will not mistake that it is only used for capability option signaling, but also is open for use for any sort of boolean signaling.

<br> 2.1. Options Field: I would rename this section to "L-bit in Options Field" so as not to imply that the Options field is being defined in this document, just that the L bit is.

<br> 2.6. Private TLVs: All other TLVs come with a picture, except this one.

<br> "The data included in the LLS block attached to a Hello packet MAY be used for dynamic signaling since Hello packets may be sent at any time in time."

<br> time in time?

<li> Magnus Westerlund: Discuss [2008-12-17]: This document allows for up to 64k big data objects to be added to OSPF messages. This clearly affects the amount of data consumed by OSPF however, this document seems to have no discussion about the potential transport issues that adding arbitrary data objects can cause.

<br> Fragmentation of OSPF messages. A quick glance in RFC 2328 indicates that there are no built in fragmentation support. The reliance on IP fragmentation have two issues:

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<li> how the addition of extra data changes the loss probability for the message due to that a single loss among the fragments results in message delivery failure.

<li> That the potential size of the arbitrary data is not 64k, but actually 64k minus all the other message parts in the OSPF message.

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Then there is the issue of congestion avoidance and transmission rate control. I have now idea how this works in OSPF (please enlighten me), but enlarging the messages clearly have a potential impact on the message transmission behavior and consumed resources that at least needs to be commented on. Are you certain that the existing mechanism is suitable for arbitrary data?

<br> What reliability are provided for the arbitrary data? It

seems that the core messages in OSPF handles reliability in various protocol dependent ways directly related to the message type. It is not at all clear that the arbitrary data object will have the same reliability requirements that the OSPF message it is being sent in. That needs consideration.

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<P><b>Telechat</b>:

<ul>

- <li> Dave: Ross what do you mean TLV
  - <li> Ross: existing specs say nothing about this... this has been experimental for awhile, do implementations successfully ignore this
  - <li> Dave: they throw it away
  - <li> Ross: I'll clear
  - <li> Dave: Magnus, you can take data and move it into a separate instance, possible deployments where you don't mix
  - <li> Magnus: performance in passing the messages... fragmentation... large messages subject to packet loss
  - <li> Dave: OSPF has fixed packet sizes, OSPF has problem
  - <li> Magnus: higher probability of dropping
  - <li> Dave: generic problem, not related to this draft
  - <li> Magnus: congestion-control, wonder how that will work, is another mechanism needed, will it work as intended
  - <li> Dave: packets prioritized -- flood first. All implementations prioritize what they flood
  - <li> Magnus: fairness problems? how to determine what rate is acceptable
  - <li> Dave: transmit+acknowledge -- don't flood more until ack; ordering is implementation-dependent; could mention LSAs getting larger, beware; will ask author to contact Magnus; revised-ID needed
  - <li> Tim: not sure my discuss is resolved yet
  - <li> Dave: will be some back and forth
- </ul><P>

<li> Elliptic Curve Cryptography Subject Public Key Information  
(Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-pkix-ecc-subpubkeyinfo-11.txt"> draft-ietf-pkix-ecc-subpubkeyinfo-11.txt </a>

<br>Token: <a href="mailto:pasi.eronen@nokia.com"> Pasi Eronen </a>  
Note: Document shepherd is stefans@microsoft.com

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2957/index.html%3Ffilename=draft-ietf-pkix-ecc-subpubkeyinfo.html">Balloting</a>:

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<li> (none)

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<P><b>Telechat</b>:

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<li> Amy: open not here, no discuss, enough positions to approve; approved, notes?

<li> Pasi: no notes needed

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<li> Sieve Email Filtering: Ihave Extension (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-freed-sieve-ihave-03.txt"> draft-freed-sieve-ihave-03.txt </a>

<br>Token: <a href="mailto:lisa@osafoundation.org"> Lisa Dusseault </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2970/index.html%3Ffilename=draft-freed-sieve-ihave.html">Balloting</a>:

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<li> Russ Housley: Comment [2008-12-14]: In the Gen-ART Review by Ben Campbell, he suggested that the last paragraph of Section 4, last paragraph be moved toward the front of the document since it significantly constrains the scope.

<li> Tim Polk:Discuss [2008-12-17]:From Section 4, Ihave Test  
<br> "Ihave is designed to be used with extensions that add tests, actions, comparators, or arguments. It MUST NOT be used with extensions that change the underlying Sieve grammar or extensions like variables [RFC5229] that change how the content of Sieve scripts are interpreted."

<br> Is this constraint (the MUST NOT) enforced by the sieve implementation, or is this an admonition to script writers? I think the spec needs to be clear about the responsibility for this one...

<br> If the responsibility lies with the script writer, then the security considerations probably needs to describe the results of using ihave with the wrong classes of sieve extensions.

<br> Comment [2008-12-17]: This is just a style nit, but I found the capitalization of ihave at the beginning of a sentence rather confusing. I kept mentally converting "Ihave" to "I have" and then would have to convert it back again. Personally, I would stay with "ihave", even when starting a sentence. Just a thought.

<li> Magnus Westerlund: Comment [2008-12-17]: I think it would have been beneficial to include ABNF for how this fits the already existing SIEVE grammar.

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<P><b>Telechat</b>:

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<li> Amy: open not here, a discuss

<li> Lisa: Tim, did you get answer (for spec-writers)

<li> Tim: add a sentence or two, probably RFCed note, let's be clear whose responsibility this is (impact of ihave)

<li> Lisa: AD-followup

</ul><P>

<li> Multi-Protocol Label Switching (MPLS) label stack entry: "EXP" field renamed to "Traffic Class" field (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-mpls-cosfield-def-08.txt"> draft-ietf-mpls-cosfield-def-08.txt </a>

<br>Token: <a href="mailto:rcallon@juniper.net"> Ross Callon </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2976/index.html%3Ffilename=draft-ietf-mpls-cosfield-def.html">Balloting</a>:

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<li> Lars Eggert: Comment [2008-12-16]: Section 1.2, paragraph 7: "The EXP field has been renamed to the TC field, and thus all references in RFC 3270 to EXP field SHOULD be taken to refer to the TC field."

<br> I think the "SHOULD" here needs to be a "MUST" - otherwise it leaves the option of not using the new name. (And I don't believe an RFC2119 term is appropriate here, so it should be a lowercase "must".) Similar phrasings occur in Sections 2.3 and 2.4, and they should be changed accordingly.

<li> Tim Polk: Comment [2008-12-17]: Abstract:

<br> s/current use of the EXP this field/current use of this field/

<br> Section 1. Introduction

<br> s/after the work on the document were started/after the work on the document was started/

<br> Section 3. Use of the TC field

<br> s/have different TF fields from the rest/have different TC fields from the rest/

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<P><b>Telechat</b>:

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<li> Amy: open not here, no discusses, approved

<li> Ross: RFCed note is ready (typed last night)

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<p><b>2.1.2 Returning Items</b></p>

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<li> (none)

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## <p><b>2.2 Individual Submissions</b></p>

### <p><b>2.2.1 New Items</b></p>

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<li> Message Header Field for Indicating Message Authentication Status (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-kucherawy-sender-auth-header-18.txt"> draft-kucherawy-sender-auth-header-18.txt </a>

<br>Token: <a href="mailto:lisa@osafoundation.org"> Lisa Dusseault </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2899/index.html%3Ffilename=draft-kucherawy-sender-auth-header.html">Balloting</a>:

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<li> Pasi Eronen: Comment [2008-12-18]: Some places that need minor clarifications:

<br> Section 2.4.2, "pass" bullet: "author domain signature" probably should be "author signature" (the term used in other bullets here, and in ADSP draft itself).

<br> Section 1: "...are the published e-mail authentication methods in common use" should probably be phrased something like "domain-level e-mail authentication methods (as opposed to user-level authentication mechanisms such as S/MIME and OpenPGP)"

<br> Section 1.5.2: "...a message which validates is indeed entirely authentic" I think in this context "entirely authentic" could be misleading; if the signature validates, the signed parts of the message (the signature doesn't cover everything) haven't been modified after signing. Whether e.g. the value of the "From" field is entirely authentic depends on the signing practices (and for e.g. signatures added by mailing list exploders, that may vary). I'd suggest rephrasing this to something like "...a message which validates has not been modified after it was signed", or something like that.

<li> Russ Housley: Comment [2008-12-14]: In the Gen-ART Review by Suresh Krishnan, he said that one thing was unclear. He wanted to know how the MUA would convey the results to the user. For example, using the case C.5 from the appendix, what would the user actually see (Success indication, Failure indication, or something else)? Is this field used more as input for filters rather than communicating authentication information to the user? How is the authenticity of the sender established?

<li> Cullen Jennings: Comment [2008-12-17]: I can not find evidence on any IETF mailing list of any consensus to publish this.

<li> Chris Newman: Comment [2008-12-15]: ' "CFWS" is as defined in section 3.2.3 of [MAIL]. '

<br> I believe that should be section 3.2.2.

<li> Dan Romascanu: Discuss [2008-12-18]: There are three issues in the DNS-DIR review by Peter Koch which I would like to be addressed before I can support the approval of this document.

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<li> The draft has issues with terminology, when it again uses 'domain' as a synonym for an organization - even though it goes the laudable approach of re-introducing the term ADMD (which reminds me of X.400, again).

<br> 1.2 says: "This document makes several references to the "trust boundary" of an administrative mail domain (ADMD). Given the diversity among existing mail environments, a precise definition of this term isn't possible."

<br> Fine, although the relation to X.400 ADMDs might be worth noting to appreciate the historical parallels. The problem I see is that later in the document the term isn't used consistently, but instead "domain" again appears as an acting entity, as in [2.4.3] "none: No policy records were published by the sender's domain".

<br> There is a fundamental and reoccurring disagreement about the nature of "a domain" between the DNS and the Mail community, which is fine as long as each group is having internal conversation. At the overlap areas we have this issue over and over again and I'd really appreciate if that issue would be wider acknowledged and addressed. This isn't only about wording, but also about implications of hierarchy, administrative boundaries, setting "domain wide" defaults and so on.

<br> That said, introducing "ADMD" seems to be a good way forward, if it's used consistently and if the distinctions between an ADMD and a (DNS) domain are dealt with properly.

<li> 2. More to the protocol level, the references to DNS error conditions in sections 2.4.3 and 2.4.4 as well as 3 need a bit more thought.

<br> 2.4.4 defines the "iprev" method of "authentication" (which reminds me of our, dnsop's, reverse mapping draft under consideration). I can't tell the difference between

<br> "softfail: The reverse DNS evaluation failed. In particular, one or both of the "reverse" and forward lookups returned no data (i.e. a DNS reply code of NODATA)."

<br> and

<br> "permerror: The reverse DNS evaluation could not be completed due to some error which is unrecoverable (e.g. a DNS reply code of NODATA or NXDOMAIN). A later attempt is unlikely to produce a final result."

<br> First, there is no real reply code of NODATA (the description is usually NOERROR/NODATA, meaning NOERROR and empty answer section), but it's unclear to me what the author really wants to achieve here.

<li> 3. The description of the "iprev" method in section 3

defers details to RFC 4408, which is an experimental RFC, while the draft under consideration aims at Proposed.

<li> 4. Also, there's the conceptual/terminology issue again: "A successful test using this algorithm constitutes a result of "pass" since the domain in which the client's PTR claims it belongs has confirmed that claim. A failure to match constitutes a "hardfail". "

<br> It isn't that the match acknowledges the membership in some kind of administrative boundary; it's just a consistency check of some limited value. The whole discussion should take into account the long debate that has taken place in DNSOP regarding the draft-ietf-dnsop-reverse-mapping-considerations draft. This is currently expired, but will be revived and WGLCed "soon".

<br> Comment [2008-12-18]: Nit: 1.6 has a conflicting expansion of ADMD (s/Mail/Management/).

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<P><b>Telechat</b>:

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<li> Amy: number of open, not here, a discuss

<li> Lisa: Dan, when did DNSdir review come in

<li> Dan: last 6 hours

<li> Lisa: haven't seen it yet.

<li> Dan: terminology creating confusion, this doc will improve the situation but new terminology not consistent

<li> Lisa: Cullen, discussed on non-IETF list which uses NoteWell

<li> Cullen: one comment on IETF list, not clear whether he supports this; worried that we might be rubber-stamping something developed off in a corner

<li> Lisa: it's already implemented and deployed and interoperable

<li> Cullen: I would discuss if I had evidence of actual lack of consensus, just a comment because of the weak process

<li> Lisa: any other things to discuss; revised-ID needed

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<p><b>2.2.2 Returning Items</b></p>

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<li> (none)

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<p><b>3 Document Actions</b></p>

<p><b>3.1 WG Submissions</b></p>

<p><b>3.1.1 New Items</b></p>

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<li> LDP IGP Synchronization (Informational)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-mpls-ldp-igp-sync-03.txt"> draft-ietf-mpls-ldp-igp-sync-03.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2853/index.html%3Ffilename=draft-ietf-mpls-ldp-igp-sync.html">Balloting</a>:

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<li> Ross Callon: Discuss [2008-12-17]: The authors have indicated that they intend to update the document right after the telechat to respond to Gen-Art and Sec-Dir reviews. I am just holding a "friendly" discuss that I will clear as soon as this update is out.

<li> Pasi Eronen: Comment [2008-12-18]: (empty)

<li> Russ Housley: Comment [2008-12-14]: Please look at the editorial comments in the Gen-ART Review from Francis Dupont.

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<P><b>Telechat</b>:

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<li> Amy: no discuss... approved, notes?

<li> Dan: technical summary needs to be filled in

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<li> OSPFv3 Based Layer 1 VPN Auto-Discovery (Experimental)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-l1vpn-ospfv3-auto-discovery-02.txt"> draft-ietf-l1vpn-ospfv3-auto-discovery-02.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2876/index.html%3Ffilename=draft-ietf-l1vpn-ospfv3-auto-discovery.html">Balloting</a>:

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<li> Pasi Eronen: Discuss [2008-12-18]: I have question about TLV numbering. The L1VPN INFO TLV (RFC 5252 Section 2.2) used type "1", but apparently there's no IANA registry for these numbers. The L1VPN IPv6 INFO TLV (this document) uses type "2". Both the Link TLV in RFC 3630 and the Link TLV in ospfv3-traffic (either of which can be present here) also use type "2".

<br> Should we renumber the L1VPN IPv6 INFO TLV to "3" and the ospfv3-traffic Link TLV to "4", or somehow clarify how these are parsed?

<br> Comment [2008-12-18]: Section 2.2, "is either the Router Address TLV or Local interface IP address link sub-TLV" probably should be "is either the Router IPv6 Address TLV or Local Interface IPv6 Address sub-TLV" to match the terminology in ospfv3-traffic-13?

<li> Tim Polk: Comment [2008-12-18]: I support Pasi's discuss. In particular, when more than one L1VPN Info TLV is present, it is unclear to me how to determine if a TE Link TLV is present.

<li> Dan Romascanu: Discuss [2008-12-18]: The document contains no manageability or operational impact information. I would have expected at a minimum that it would mention the impact on network traffic (if any), coexistence and/or migration to version 2, how are the network devices configured ('management directives' are mentioned at one place, but this is too little), how is the discovery information exposed, and if any existing management data base (e.g. MIB module) needs to be created or extended to cover this functionality. If this information or part of it is available in some other document please indicate and provide that document as a reference.

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<P><b>Telechat</b>:

<ul>

<li> Amy: couple of discusses

<li> Dave: Dan, new version, are changes acceptable?

<li> Dan: haven's seen new version

<li> Dave: revised-ID needed

</ul><P>

<li> Urban WSNs Routing Requirements in Low Power and Lossy Networks (Informational)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/draft-ietf-roll-urban-routing-reqs-02.txt"> draft-ietf-roll-urban-routing-reqs-02.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-18/ballot/2958/index.html%3Ffilename=draft-ietf-roll-urban-routing-reqs.html">Balloting</a>:

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<li> Jari Arkko: Comment [2008-12-18]: I support Pasi's Discuss.

<li> Ron Bonica: Comment [2008-12-18]: Also support Pasi's DISCUSS

<li> Pasi Eronen: Discuss [2008-12-18]: I have reviewed draft-ietf-roll-urban-routing-reqs, and I have major architectural concerns with the document.

<br> In particular, I was surprised to not find any description of the assumed network architecture in this document. I had assumed this would be just another routing protocol for IPv6, but that doesn't seem to be the case (the document doesn't actually say much about the network protocol this routing is for -- it could be something else than IP completely!)

<br> For example, there are parts (for example, "groupcast") that would seem to imply that the network layer protocol is not IPv6 (or it's either heavily extended, or a new network protocol layer is inserted above the link layer and below IPv6).

<br> There are also text that suggests that routers are not just network layer elements (that forward packets based on the network

layer headers), but also include application layer functionality (that interacts with the network layer and routing in rather unspecified ways). It's not clear whether this is intended to be just co-location of different layers in the same physical box, or largely a non-layered architecture where there is no well-defined separation between the network layer/routing and application level functionality (and parts of applications are essentially merged to the network layer/routing -- so the network layer wouldn't really be IPv6 in any sense, even if the on-the-wire headers looked similar).

<br> Moving from the overall architecture to security specifically, as noted in Sandra Murphy's SecDir review, the document needs to make a clearer distinction between the security requirements/mechanisms of applications using the urban LLNs, requirements/mechanisms of data forwarding, and requirements/mechanisms for routing (maintaining the state used for data forwarding). Much of the confusion here probably comes from the above-mentioned lack of well-defined layers in the network architecture; in non-layered network architectures (e.g. "boxes connected by lines" or "beads on a string") the distinction between applications and network is less clear.

<br> Since it seems the expected modularization of functionality between layers (and in particular, functionality of the network layer protocol(s) and what "the network" looks like to applications) is somewhat different from normal Internet architecture and IPv6, it seems the WG should start with an architecture document before defining requirements for the routing protocol.

<br> That could describe at least the high-level view of how functions are modularized (layers or otherwise), how forwarding and addressing work (important for routing -- includes where state is needed, how network resources are allocated, etc.), what entities are named/addressed (e.g. what layer the addresses refer to), and -- perhaps most importantly -- what "the network" looks like to applications running "on top of it" (if it's a layered architecture -- if it's not, that's even more complex).

<li> Russ Housley: Discuss [2008-12-14]: Based on the discussion that has followed the Gen\_ART Review by Brian Carpenter, an updated document is needed, and it has not been posted yet.

<li> Cullen Jennings: Comment [2008-12-17]: I'll be a bit surprised to see this have the security and reliability to control traffic lights.

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<P><b>Telechat</b>:

<ul>

<li> Amy: couple of discusses

<li> Pasi: resolving my discuss won't be easy; specifying requirement for routing on some network layer we don't know, dataflows over different paths, including middleboxes

<li> Dave: aggregation is attribute of a node, needs to be passed in protocol

<li> Pasi: specifying path involves forwarding plane

<li> Dave: based on attributes of links and nodes, the requirement is how to specify

<li> Pasi: if routing protocol is maintaining state, needs to know...

<li> Dave: knows topology and reachability; WG only chartered to specify extensions, what you're discussing is outside the charter

<li> Tim?: 6LOPAN can give us some guidance; no way to partition this problem if we open everything you want; need to modularize to maintain progress

<li> Dave: don't see how we can do what Pasi wants within the charter

<li> Ross: forwarding plane may not belong in Routing area

<li> Dave: we're merely at the requirements stage; this won't be the group defining transport

<li> Ross: the requirement I thought of don't belong in this document, so I didn't write them up

<li> Dave: also will have requirements for home, rural... will have to face shortest-path issues elsewhere

<li> Dave: Pasi's having audio problems, AD followup

</ul><P>

</ol>

<p><b>3.1.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>3.2 Individual Submissions via AD</b></p>

<p><b>3.2.1 New Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>3.2.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>3.3 Independent Submissions via RFC Editor</b></p>

<p><b>3.3.1 New Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>3.3.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>

<P> 1233 EDT break

<P> 1239 EDT back

<ul>

<li> Loa Andersson--- y

<li> Jari Arkko---

<li> Marc Blanchet---

<li> Ron Bonica--- y

<li> Ross Callon---

<li> Michelle Cotton--- y

<li> Lisa Dusseault--- y

<li> Lars Eggert---

<li> Pasi Eronen--- y

<li> Marshall Eubanks---

<li> Sandy Ginoza--- y

<li> Russ Housley---

<li> Cullen Jennings--- y

<li> Olaf Kolkman--- y

<li> John Leslie--- y

<li> Cindy Morgan--- y

<li> Chris Newman--- y

<li> Ray Pelletier---

<li> Jon Peterson---

<li> Tim Polk--- y

<li> Dan Romascanu--- y

<li> Mark Townsley--- y

<li> Amy Vezza--- y

<li> Dave Ward--- left during break

<li> Magnus Westerlund--- y

</ul>

<p><b>4 Working Group Actions</b></p>

<p><b>4.1 WG Creation</b></p>

<p><b>4.1.1 Proposed for IETF Review</b></p>

<ol>

<li> Message Organization (morg)

<br>Token:     <a href="mailto:chris.newman@sun.com"> Chris </a>  
 <P><b>Telechat</b>:</P>

- <li> Amy: and objection to external review
- <li> Lisa: pretty poor participation from clients doing the most work
- <li> Chris: reasonable attendance at BoF
- <li> Lisa: was AppleMail there? Can we get charter considered outside the usual channels
- <li> Chris: can seek volunteer to proslytize
- <li> Lisa: I can do some of that
- <li> Chris: working on CoChair
- <li> Amy: external review approved

</ul><P>

</ol>

<p><b>4.1.2 Proposed for Approval</b></p>

<ol>

- <li> (none)

</ol>

<p><b>4.2 WG Rechartering</b></p>

<p><b>4.2.1 Under evaluation for IETF Review</b></p>

<ol>

- <li> (none)

</ol>

<p><b>4.2.2 Proposed for Approval</b></p>

<ol>

- <li> (none)

</ol>

<p><b>5. IAB News We can use</b></p>

<ol>

- <li> Loa: not much to say; one aspect of NAT66

</ol>

<p><b>6. Management Issues</b></p>

<ol>

- <li> Early RFC number assignment for draft-jerichow-msec-mikey-genext-oma (Tim Polk)

<P><b>Telechat</b>:</P>

- <li> Tim: request from authors, open mobile, asking for early assignment of RFC#
- <li> Sandy?: no such thing as early assignment, only expedited

publishing

- <li> Amy: expedited publishing approved
- </ul><P>

</ol>

<p><b>7. Agenda Working Group News</b></p>

- <ul>
    - <li> Jari Arkko (Internet)---
    - <li> Ron Bonica (O & M)--- nothing
    - <li> Ross Callon (Routing)--- nothing
    - <li> Lisa Dusseault (Applications)--- no
    - <li> Lars Eggert (Transport)---
    - <li> Pasi Eronen (Security)--- no
    - <li> Russ Housley (General)---
    - <li> Cullen Jennings (RAI)--- heads up, transition to new IPR rules, how to get permission from previous authors, likely to show up at IESG soon
      - <li> Olaf: Russ offline due to conference in China; issue is with IETF-approved BCP, just returned from conference call discussing possible work-around
      - <li> Lisa: is there anything we can tell the community?
      - <li> Olaf: problem is with revision of documents before November 10, need warranty for use outside IETF, may be impossible; not an issue for completely new work
      - <li> Cullen: exchanged email with Russ: he will try to work on it tomorrow
      - <li> Ron: does trouble date from our Nov 10 action?
      - <li> Olaf: problem existed before that, finger-pointing doesn't help; not quite clear what to do about copyright notice, current boilerplate may be inaccurate; recommend a notice that we're aware of the problem and working on it -- hopefully before Christmas
    - <li> Chris Newman (Applications)--- pass
    - <li> Jon Peterson (RAI)---
    - <li> Tim Polk (Security)--- pass
    - <li> Dan Romascanu (O & M)--- nothing
    - <li> Mark Townsley (Internet)--- nothing
    - <li> Dave Ward (Routing)---
    - <li> Magnus Westerlund (Transport)--- nothing
- </ul>

<P>1301 EDT Adjourned

<hr>

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</body>  
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--d6Gm4EdcadzBjdND--

Return-Path: <iesg-bounces@ietf.org>  
X-Original-To: iesg-archive@ietf.org  
Delivered-To: ietfarch-iesg-archive@core3.amsl.com  
Received: from [127.0.0.1] (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id ABD8A28C0FA;  
Wed, 7 Jan 2009 16:45:55 -0800 (PST)  
X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1])  
by core3.amsl.com (Postfix) with ESMTP id 4A0D43A6A9B;  
Wed, 7 Jan 2009 16:45:55 -0800 (PST)  
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X-Spam-Score: -2.87  
X-Spam-Level:  
X-Spam-Status: No, score=-2.87 tagged\_above=-999 required=5 tests=  
[AWL=-2.660,  
BAYES\_00=-2.599, FRT\_STOCK2=3.988, HTML\_MESSAGE=0.001,  
J\_CHICKENPOX\_13=0.6, J\_CHICKENPOX\_43=0.6, J\_CHICKENPOX\_47=0.6,  
J\_CHICKENPOX\_64=0.6, RCVD\_IN\_DNSWL\_MED=-4]  
Received: from mail.ietf.org ([64.170.98.32])  
by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port  
10024)  
with ESMTP id l8jEgNwPiiUT; Wed, 7 Jan 2009 16:45:51 -0800 (PST)  
Received: from mailhost.jlc.net (mailhost.jlc.net [199.201.159.9])  
by core3.amsl.com (Postfix) with ESMTP id 8EB7F3A6AB0;  
Wed, 7 Jan 2009 16:45:49 -0800 (PST)  
Received: by mailhost.jlc.net (Postfix, from userid 104)  
id C3CD533C20; Wed, 7 Jan 2009 19:45:35 -0500 (EST)  
Date: Wed, 7 Jan 2009 19:45:35 -0500  
From: John Leslie <john@jlc.net>  
To: The IESG <iesg@ietf.org>, avezza@amsl.com, cmorgan@amsl.com,  
iesg-scribes@ietf.org  
Subject: Problem with Narrative Minutes for December 18, 2008 Telechat  
Message-ID: <20090108004535.GB24908@verdi>  
References: <20081217224542.838BE28C118@core3.amsl.com>  
<20081218183456.GH93226@verdi> <20090107231504.GA22987@verdi>  
Mime-Version: 1.0  
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X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
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List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
    <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
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Sender: iesg-bounces@ietf.org  
Errors-To: iesg-bounces@ietf.org

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Content-Disposition: inline

In preparing for tomorrow's telechat, I learned that the snapshots of balloting, etc. that I've been using have changed from 10:30 a.m. to 7:30 p.m. -- by which time the Secretariat has put up the next agenda: thus all the links to snapshots are broken.

Thus, I'm changing all the links in the Attached to use the 12-17 snapshots instead of the 12-18 ones. (No other changes, but it makes for too many lines of diff to be worth pasting in.)

(I'm embarrassed about this -- I really thought I was checking that the links worked in the version I prepared and emailed each Thursday.)

(The same problem applies to Narrative Minutes of 08-14, 08-28, 09-11, 09-25, 11-06, and 12-11.) I'll have to work with the Secretariat to come up with the most appropriate way to deal with those.)

(BTW, Henrik is on vacation, so I'm not sure when tomorrow's snapshots may be taken.)

--

John Leslie <[john@jlc.net](mailto:john@jlc.net)>

--u3/rZRmxL6MmkK24

Content-Type: text/html; charset=unknown-8bit

Content-Disposition: attachment;

filename="IESGnarrative-2008-12-18.html"

Content-Transfer-Encoding: 8bit

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<meta http-equiv="Content-Style-Type" content="text/css">

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<body>

<p><b>IESG Narrative Minutes</b></p>

<p>Narrative Minutes of the IESG Teleconference on 2008-12-18. These are not an official record of the meeting.

<p>Narrative scribe: John Leslie (The scribe was often uncertain who was speaking.)

<p>Corrections from: (none)

<p>

<p><b>1 Administrivia</b></p>

<ol>

<li>Roll Call 1135 EDT Amy:

<ul>

<li>Loa Andersson--- y

<li>Jari Arkko--- regrets

<li>Marc Blanchet---

<li>Ron Bonica--- y

<li>Ross Callon--- y

<li>Michelle Cotton--- y

<li>Lisa Dusseault--- y

<li>Lars Eggert--- regrets

<li>Pasi Eronen--- y

<li>Marshall Eubanks---

<li>Sandy Ginoza---

<li>Russ Housley--- regrets

<li>Cullen Jennings--- y

<li>Olaf Kolkman---

<li>John Leslie--- y

<li>Cindy Morgan--- y

<li>Chris Newman--- y

<li>Ray Pelletier--- regrets

- <li> Jon Peterson---
- <li> Tim Polk--- y
- <li> Dan Romascanu--- y
- <li> Mark Townsley--- y
- <li> Amy Vezza--- y
- <li> Dave Ward--- y
- <li> Magnus Westerlund--- y

<li>Bash the Agenda

- <ul>
- <li> Amy: any new?
- <li> Dave: need to leave early, 4 drafts early
- <li> <i>NOTE: These were discussed before any other Protocol Actions, but the narrative minutes are shown in agenda order</i>
- <li> Michelle: need followup on formal language, maybe action item for Russ
- <li> Amy: haven't gotten it yet, action item

<li>Approval of the Minutes of the past telechat

- <ul>
- <li> December 11 minutes--- approved
- <li> December 11 narrative minutes--- approved

<li>Review of Action Items from last Telechat

- <ul>
- <li> Amy: Magnus BCP 32
- <li> Magnus: in progress
- <li> Dave Rsync: in progress
- <li> Russ/Dave BCP: in progress
- <li> Dan: still in progress
- <li> Ron: overcome-by-events: still in progress

</ol>

<p><b>2 Protocol Actions</b></p>

<p><b>2.1 WG submission</b></p>

<p><b>2.1.1 - New Items</b></p>

<ol>

<li> TCP User Timeout Option (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-tcpm-tcp-uto-10.txt"> draft-ietf-tcpm-tcp-uto-10.txt </a>

<br>Token: <a href="mailto:magnus.westerlund@ericsson.com"> Magnus Westerlund </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2028/index.html%3Ffilename=draft-ietf-tcpm-tcp-uto.html">Balloting</a>:

<ol>

<li> Ron Bonica: Discuss [2008-12-18]: This may be a very short-lived discuss. In the security section, you recommend the use of IPSEC or TCP-MD5. AFAIK, TCP-MD5 is rarely implemented on boxes that aren't routers. Wouldn't you be better off recommending TCP-AO?

<li> Pasi Eronen: Discuss [2008-12-15]: I have one concern that I'd like to discuss before recommending approval of the document:

<br> If the data cited in Section 4.1 is a reasonable approximation of reality -- and 3% of TCP connections would fail -- doesn't this mean that either (a) no popular OS or popular application (such as email, IM, or SSH client -- all of which would potentially benefit from longer timeouts) can enable this by default, or (b) it has to implement some kind of recovery logic (if using UTO fails, disable it and establish new connection without UTO).

<br> If this is the case, it should be mentioned in e.g. Section 4.1, possibly sketching how the recovery logic would work (so each app doesn't have to reinvent it, possible badly).

<li> Russ Housley: Discuss [2008-12-12]: In the Gen-ART Review from Scott Brim, a significant question was raised, and the WG has not provided an answer. Scott asked: "Since a UTO can apparently be sent at any time, what happens if a UTO is received that shortens the timeout and there are unacknowledged packets that are already beyond the new timeout value?"

<li> Cullen Jennings: Comment [2008-12-17]: I think this is great (as long as it works through firewalls and nats - and support that part of Pasi discuss) but I think that it has to be exposed to apps and support that parts of Chris' discuss.

<li> Chris Newman: Discuss [2008-12-15]: Is the intention to have this be used only by operating system software? Or should this be made visible to applications? If the latter is the case, is there work in progress to define the identifiers and structures that would be used with setsockopt() so this would have a chance of deploying?

<br> Applications sometimes have information about the desirability of long lived connections. For example, HTTP wouldn't benefit from longer user timeouts, IMAP+TLS benefits quite a bit, while SSH could benefit a great deal (especially if the user has spent time setting up multiple data tunnels). But as we've seen with the IPv6 mess prior to getaddrinfo, if the socket extension identifiers/structures aren't nailed down early deployment is slowed greatly when communication between the transport and application layers is needed.

<br> Also, because communication of timeout information between the TCP stack and application software has been so poor in the past, quality server applications will put sockets in non-blocking mode and

implement their own timeouts with select/poll or equivalent and shut down the socket. If applications have no way to communicate this to the TCP stack, the stack could negotiate a timeout longer than the application timeout and thus create a false expectation for connection retention.

<li> Tim Polk: Comment [2008-12-17]: I support Chris's and Pasi's discusses. The failure rate with middleboxes could present a significant problem unless the TCP stack is clever enough to establish new connections without using uto after failure. The onus is clearly on the TCP stack to adjust since the "communication of timeout information between the TCP stack and application software has been so poor in the past" to quote Chris's discuss.

<li> Dan Romascanu: Discuss [2008-12-17]: The document is missing any manageability or operational considerations. Although section 3 mentions that the UTO can be enabled either on a per-connection basis, or controlled by a system-wide setting there is no further indication what this means from the point of view of system operators. There is also no indication about performance measurement, especially on the light of the fact that reliability issues are a concern and are discussed. Last would the MIB modules defined in RFC 4022 or RFC 4898 need to be extended to cover this new option?

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: open, Dave: no-pos; number of discusses

<li> Magnus: none in particular need to discuss today

<li> Cullen: is there some document we're just missing

<li> Magnus: no API description... let Lars lead that; revised-ID needed

</ul><P>

<li> ForCES Protocol Specification (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-forces-protocol-19.txt"> draft-ietf-forces-protocol-19.txt </a>

<br>Token: <a href="mailto:rcallon@juniper.net"> Ross Callon </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2069/index.html%3Ffilename=draft-ietf-forces-protocol.html">Balloting</a>:

<ol>

<li> Cullen Jennings: Discuss [2008-12-17]: I don't see how one can get interoperability without specifying at least one mandatory to implement TML. Or say something like the CE needs to implement A and B and the FE can choose A or B.

<li> Tim Polk: Discuss [2008-12-18]: My concerns are related to Cullen's and Magnus's issues, but with a security area spin:

<br> This document does not clearly specify the security requirements that need to be supported by every TML. In the absence of those requirements, the document needs to specify a single TML with strong security properties as mandatory to implement. Otherwise, two fully compliant implementations might be interoperable but have no ability to provision security.

<br> Alternatively, this document could clearly specify that all TMLs MUST include mandatory to implement mechanism that provide the necessary security services. Note that the SCTP TML specification implies that such mechanisms need to be specified for each TML:

<br> I personally prefer the second solution (establishing requirements for all TMLs) but that does not resolve Cullen's issue. Specifying a mandatory to implement TML with appropriate security properties would resolve both our discusses. (Add in the reliability requirements and you could take care of Magnus' first issue as well.)

<li> Magnus Westerlund: Discuss [2008-12-18]:

<br> 1. Section 1: As the reliability requirement is for varying degrees of reliability it seems that some discussion should be had if this can be realized by using different TMLs or if a single TML needs to provide all the different degrees of reliability?

<br> 2. Section 5: "3. Congestion control..."

<br> Isn't this split putting too much functionality regarding overload control into the TML rather than having it in the PL? It seems correct to have the TML be responsible for transport congestion avoidance. However, if it is the FORCES nodes themselves that are overloaded rather than the network connecting them duplicating the overload protection mechanism in each TML seems wrong. Are there good reasons for doing overload protection in the TMLs rather than the PL?

<br> Looking at <http://www.ietf.org/internet-drafts/draft-ietf-forces-sctptml-01.txt> it seems that the difference between transport congestion control and overload protection is not correctly considered.

<br> To me it seems that one needs to dig much more into the details of how overload prevention and handling affects the priorities and is affected by head of line blocking within the underlying transport. Also with a two layer approach the pushback in overload situations to the PL becomes more complex and needs to be considered.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: number of open, Lisa: no-pos, Pasi: no-pos, Dan: no-pos; couple of discusses

<li> Ross: also not enough votes; probably revised-ID needed, deal with discusses, back on agenda later

<li> Magnus: fundamental thing, separation between congestion control and overload

<li> Ross: TML contains useful info, draft not quite done; may be

blades within chassis; or multiple boxes connected by ethernet, protocol to interconnect; for short burst, you may overload one outgoing interface, internal hardware issue

- <li> Magnus: buildup if processing overload...

Ross: maybe need to have meeting with authors, try email first, telechat if necessary; of routers I understand, there's a wide range, not clear best approach; revised-ID needed plus followup with authors

- </ul><P>

- <li> ForCES MIB (Proposed Standard)

- <br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-forces-mib-10.txt"> draft-ietf-forces-mib-10.txt </a>

- <br>Token: <a href="mailto:rcallon@juniper.net"> Ross Callon </a>

- <br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2274/index.html%3Ffilename=draft-ietf-forces-mib.html">Balloting</a>:

- <ol>

- <li> Dan Romascanu: Comment [2008-12-10]: This document underwent MIB Doctors reviews from John Flick and Bert Wijnen. It would be nice to mention them in the Protocol Quality section of the announcement together with the other reviews and to acknowledge the contribution of the two MIB Doctors in the document (right now only John is mentioned).

- <li> Magnus Westerlund: Comment [2008-12-18]: To me it seems this MIB modules fails to instrument any aspect of the protocol that would tell an administrator that there is an overload situation. Maybe for a future MIB.

- </ol>

- <P><b>Telechat</b>:

- <ul>

- <li> Amy: couple open, Cullen: no-pos; no discusses, enough positions to pass

- <li> Ross: should we hold on basis of protocol change may require MIB change?

- <li> Dan: entering discuss, waiting for base document

- <li> Ross: AD-followup

- </ul><P>

- <li> Internet Calendaring and Scheduling Core Object Specification (iCalendar) (Proposed Standard)

- <br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-calsify-rfc2445bis-09.txt"> draft-ietf-calsify-rfc2445bis-09.txt </a>

- <br>Token: <a href="mailto:lisa@osafoundation.org"> Lisa Dusseault </a>

- <br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/

telechat/2008-12-17/ballot/2819/index.html%3Ffilename=draft-ietf-calsify-rfc2445bis.html">Balloting</a>:

<ol>

<li> Lars Eggert: Comment [2008-12-16]: Section 3.2.6., paragraph 5: What's the status of "file://" and "ftp://"? RFC1738 was obsoleted, and while "telnet://" and "gopher://" have been resurrected (RFC 4248, RFC 4266), I couldn't locate an RFC that did the same for these two.

<br> (Making this a comment, since I won't be on the call and I don't want to block.)

<li> Pasi Eronen: Discuss [2008-12-18]: A question based on Richard Barnes's SecDir review: when using BINARY data type with in-line encoding, should the text say FMTTYPE MUST be included (or SHOULD be included)? Or is the recipient supposed to guess semantics from e.g. file name extension or data contents?

<li> Russ Housley: Comment [2008-12-12]: This minor error was caught in the Gen-ART Review by Gonzalo Camarillo:

<br> OLD: This property SHOULD not be used to alter the interpretation of

<br> NEW: This property SHOULD NOT be used to alter the interpretation of

<li> Dan Romascanu: Comment [2008-12-17]: I support Magnus's DISCUSS based on Lars's comment about the reference to RFC1738.

<li> Magnus Westerlund: Discuss [2008-12-17]: I will take on Lars comment and keep that as a discuss. There is a normative reference to RFC 1738 that is an obsoleted RFC.

<br> Is it necessary to include these scheme identifiers? Can it be done in some other way that doesn't make it into a normative ref?

<br> Comment [2008-12-17]: The ABNF is not formally correct: There are some multi-line rules containing empty lines, like calprops and many of the other &lt;x>props rules. I understand that this is for readability however, it is against the ABNF rules.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple open, Cullen: prefer not, ran out of time

<li> Lisa: will take discussion to authors; Dan, agree normative ref

<li> Chris: will respond to authors

<li> Lisa: revised-ID needed

<li> Magnus: cleared

</ul><P>

<li> Mobile IPv6 Support for Dual Stack Hosts and Routers (DSMIPv6) (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-mext-nemo-v4traversal-07.txt"> draft-ietf-mext-nemo-v4traversal-07.txt </a>

<br>Token: <a href="mailto:jari.arkko@piuha.net"> Jari Arkko </a>  
<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2864/index.html%3Ffilename=draft-ietf-mext-nemo-v4traversal.html">Balloting</a>:

<ol>

<li> Ross Callon: Discuss [2008-12-11]: I don't believe that this spec is remotely close to complete for the general case of mobile IPv4/IPv6 routers. Unless I am missing something, this is really a document for mobile hosts. The easiest way to resolve this, at least for this one document, is probably to remove the "and routers" from the title and a very few places in the draft (I think just the fourth paragraph in section 2).

<br> Alternately, has this been thought through for a very specific type of router, such as the NAT box / wireless router that sits between many home networks and the DSL/Cable connection to an ISP? If so, then the scope of what routers this applies to should be described.

<li> Lars Eggert: Discuss [2008-12-16]: (Updated 2008-12-16) Some of the issues raised in Colin Perkins' tsv-fir review seem to not have been addressed in -07. I may not have been CC'ed on all the emails - it would be useful if the authors would respond to his review and briefly outline how each issue got handled.

<br> Comment [2008-12-10]: Section 2., paragraph 0: "Note also that documents published as "RFC Editor contributions" [RFC3978] are not considered to be IETF documents."

<br> I think you want to refer to the different streams defined in RFC4844 here, rather than to the long-obsolete RFC3987.

<li> Pasi Eronen: Discuss [2008-12-17]:

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<li> The text about TLV-header and GRE tunneling seems vastly underspecified, and unlikely to lead to interoperability. For example:

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<li> Apparently the 'T' bit does means only that MN supports the general TLV format; it may not support any of the specific TLV types, such as GRE (and new ones may be defined in the future). How this is supposed to work?

<li> There's no text describing how GRE tunneling is actually done; for example, how the various parts of GRE header are set/used in the context of Mobile IPv6, how that interacts with RFC 4877, etc.

<li> Why does the TLV header include the "Length" field? (since the length is already known from the outer header) Can there be multiple TLVs inside one packet, or something?

<li> Section 5.1 says "The Type field is limited to values of 0 and 1 to make sure that the receiver can tell the difference between the Type field and the IP version field in a packet that contains an IP header after UDP." Does that mean that IANA sections

should say the registry has just a single unallocated value (0)?

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The text is unclear whether UDP tunneling (either vanilla or TLV) can be used when in IPv6 network (that is, IPv6 care-of address). Most of the text (e.g. 1st sentence of Section 5.4.3) indicates it cannot be used (when in IPv6 network, MN works as in RFC 3775), but some parts (e.g. third figure in Section 5.1, 3rd paragraph in Section 6) suggest it can. If it's the former, I'd suggest adding text like "This flag MUST NOT be set when IPv6 Care-Of Address is used" to Sections 4.1.3, 4.2.2, 4.2.3 (and fixing 5.1). If it's the latter, there's more work to do.

<li> Section 3.1: "Note that the use of [I-D.ietf-mip6-bootstrapping-integrated-dhc] cannot give the mobile node information that allows it to continue to communicate with the home agent if, for example, the mobile node moved from an IPv6- enabled network to an IPv4-only network."

<br> This seems incorrect -- this draft can give you e.g. the IPv4 address of the home agent, so the MN can continue to communicate with the HA if it moves to an IPv4-only network. This sentence probably means that if the MN is in an IPv4-only network, and it already doesn't have this information, it can't use this draft to obtain it (since it's based on DHCPv6, not DHCPv4)?

<li> Section 3.2: "Securing these messages requires the mobile node to have a security association with the home agent, using IPsec (AH or ESP) and based on the mobile node's IPv4 care-of address as described in [RFC3775]. Since the mobile node needs to encapsulate all IPv6 traffic sent to the home agent into IPv4 while located in an IPv4-only visited network, this SA would match all packets if the selectors were based on the information in the outer header."

<br> This looks strange (when using tunnel mode IPsec, the selectors select the packets to be protected before the outer header is added -- so the last sentence is weird) -- what are the IPsec SPD entries, and what does the resulting packet look like?

<li> Section 5.3 should mention that two sets of keepalives have to be sent (one for DSMIPv6 port, another for 4500).

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Comment [2008-12-17]: While IPsec may have been a reasonable solution for the security requirements of RFC 3775, this draft (and the multiplecoa draft) IMHO clearly show that IPsec is not an appropriate solution for these MIPv6 extensions.

<br> Once the concerns in my "discuss" have been addressed (which should not be very difficult), I intend to ballot "abstain".

<li> Russ Housley: Discuss [2008-12-14]: Draft -07 was generated to handle the Gen-ART Review comments from Brian Carpenter. Brian raised two more comments when the new version was posted:

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<li> A normative reference to an Informational RFC needs to be handled by the downref procedure. That concerns RFC 2983 and RFC 4459.

<li> Several normative references are listed as informative. That's a matter of judgement and consensus, so the WG and the IESG are free to disagree. The fact that GRE is only an optional feature doesn't prevent it being a normative reference, however; the question is whether an implementer can implement that option without reading RFC 2784. The same applies to all the other cases Brian suggested should be normative.

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<li> Dan Romascanu: Comment [2008-12-18]: The OPS-DIR review by Tina Tsou raised a number of questions and pointed to nits. Although none of them seem a show stopper, I believe that they should be addressed for better clarity and quality of this document:

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<li> In section 5.1, 5.4.2, 6.2.1, vanilla occurs 6 times and is ambiguous. Clarification would be welcome to explain what is meant.

<li> In section 5.3, it is mentioned that if the mobile node is not active, it will send binding update to the home agent. It is not clear how home agent operates upon receiving the binding update message? Also if the mobile node is not active, does it mean the mobile node is not reachable?

<li> In section 5.3, it is mentioned that the mobile node maintains NAT binding, if the mobile node is not reachable, then it need not to refresh the NAT binding. What is confusing here is that NAT devices also maintains NAT binding associated with the mobile node, so if the mobile node is not reachable, will the mobile node refresh the NAT binding in itself or in NAT on the path between the mobile node and the home agent? Moreover if the mobile node is not reachable, does it mean the mobile node changes the port or private address? Clarification would be welcome.

<li> It is not clear what,Âs the difference for NAT keep alive between the mobile node behind NAT and the home agent behind NAT.

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<li> David Ward: Discuss [2008-12-10]: The document specifies that it is to cover the specification for mobile routers as well as hosts. In fact, nothing is called out for routers. In particular, given there are many issues for mobile routers and routers in mobile ad hoc networks; I would have expected at least references to issues associated with mobile routers. The term "router" is used only twice in the document.

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<P><b>Telechat</b>:

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<li> Amy: Jari not here, couple of open, Ron: pass, Lisa: will check, number of discusses; revised-ID needed

</ul><P>

<li> IANA Considerations for RPC Net Identifiers and Universal Address Formats (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-nfsv4-rpc-netid-05.txt"> draft-ietf-nfsv4-rpc-netid-05.txt </a>

<br>Token: <a href="mailto:lars.eggert@nokia.com"> Lars Eggert </a>  
Note: Document Shepherd: Spencer Shepler (shepler@storspeed.com)

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2869/index.html%3Ffilename=draft-ietf-nfsv4-rpc-netid.html">Balloting</a>:

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<li> Lisa Dusseault: Comment [2008-12-17]: I don't understand why this document has both registered netids and constants. That seems redundant to me.

<li> Pasi Eronen: Discuss [2008-12-16]: The document seems to assume that a pointer to a transport protocol spec (e.g. RFC 4340 for DCCP or RFC 2960 for SCTP) is enough to describe how to use it with RPC. I'm not sure that's always the case.

<br> In particular, are there existing implementations of dccp/dccp6 and sctp/sctp6? If not, consider leaving their registration later. If yes, is there any written documentation about how they use DCCP/SCTP? (For the tcp/tcp6 entries, I'd also suggest adding a pointer to RFC 1831)

<br> Another question: Section 4.2 says "All requests for assignments to the format registry on a Standards Action basis must undergo Expert Review and must be approved by IESG". Expert Review+IESG Approval is one possible IANA policy for this registry, but it's not the same as Standards Action. Please clarify which is meant.

<li> Tim Polk: Comment [2008-12-17]: In sections 4.1 and 4.2, the registrant provides a value of TBD1 in the registration request, and IANA substitutes the assigned value for TBD1. This is very clear but isn't quite right if a single document requests multiple registrations. In that case, the provided values would also include TBD2, ..., TBDx.

<br> To be honest, I'm not sure if any readers would actually be confused and I can't think of a better way to write the text myself. If an obvious solution comes to the author, that would be great. Otherwise, there is probably no harm in proceeding as is.

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<P><b>Telechat</b>:

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<li> Amy: open not here; Lars not here; Pasi, what do you think we need?

<li> Pasi: AD-followup -- might handle with RFCed note

</ul><P>

<li> OSPF Link-local Signaling (Proposed Standard)  
<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-ospf-lls-05.txt"> draft-ietf-ospf-lls-05.txt </a>  
<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>  
<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2901/index.html%3Ffilename=draft-ietf-ospf-lls.html">Balloting</a>:

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<li> Ross Callon: Discuss [2008-12-17]: My discuss is really a question. I apologize that I didn't get a chance to ask the authors prior to the telechat and expect that I am quite likely to clear during the telechat.

<br> How much testing and/or deployment experience is there with this feature? Are we confident that there aren't any existing implementations that suffer some sort of unfortunate reaction (such as crashing) when they get OSPF packets that contain TLVs encoded in this manner?

<li> Lisa Dusseault: Comment [2008-12-17]: I had the same question as Pasi to be sure that this actually gets marked as obsoleting RFC4813.

<li> Lars Eggert: Comment [2008-12-16]: Section 2., paragraph 4: "The LLS data block MAY be attached to OSPF Hello and DD packets." The "MAY" is ambiguous - do you mean "MUST only"?

<br> Section 6.1., paragraph 4: "[OSPFV3] Coltun, R., Ferguson, D., and J. Moy, "OSPF for IPv6", RFC 2740, December 1999." Obsolete normative reference: RFC 2740 (ref. 'OSPFV3') (Obsoleted by RFC 5340). Please add RFC Editor Note.

<li> Pasi Eronen: Discuss [2008-12-16]:

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<li> Should this document (once approved) obsolete RFC 4813? Either way, the document needs to describe its relationship to RFC 4813, and list changes done since it

<li> A question: do you have data to show that existing implementations (that don't support RFC 4813/this draft) actually behave as assumed here? (That is, accept OSPF packets with extra junk at the end -- this sounds like the kind of thing implementations often get wrong....) I assume you have such data, but briefly summarizing the real-worldsituation in Section 4 would be very useful.

<li> Section 3 is unclear whether the IANA is asked to create a registry for this document, or just update the registry created for RFC 4813 to point to this document (or possibly something else).

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<br> From Stephen Farrell's SecDir review (which also needs a reply):

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<li> Section 2.2 describes the use of the checksum field, but never says what to do if the checksum is wrong. Is just the LLS block

ignored or the entire OSPF message?

- <li> Section 2.2 doesn't say whether the checksum bits (presumably zero'd?) are considered part of the LLS block when calculating the checksum.

- <li> The spec doesn't say what to put in the checksum field when using the Cryptographic Authentication TLV (presumably 0, but should be said)

- <li> Section 2.5 is quite vague on exactly what data is used when calculating AuthData. Does it include the TLVs following CA-TLV? (Presumably yes, but the text should say so.) What's placed in the AuthData field during the calculation? (Presumably zeroes, but the text doesn't say.)

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Comment [2008-12-16]:

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- <li> Stephen Farrell's SecDir review had some suggestions for clarification and editorial nits.

- <li> [IANA] has been obsoleted by RFC 5226.

- <li> [OSPFV3] has been obsoleted by RFC 5340.

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- <li> Russ Housley: Discuss [2008-12-12]: Spencer Dawkins raised a few questions in his Gen-ART Review that was posted on 2008-11-05. There was not a response to these questions. Please address these questions.

- <br> The document says: "The 16-bit LLS Data Length field contains the length (in 32-bit words) of the LLS block including the header and payload. Implementations MUST NOT use the Length field in the IP packet header to determine the length of the LLS data block."

- <br> Spencer asked: "I'm not sure this is a 2119 MUST NOT - aren't you just saying that if you try it, you'll fail?"

- <br> The document says: "The CA-TLV MUST only appear once in the the LLS block. Also, when present, this TLV SHOULD be the last TLV in the LLS block."

- <br> Spencer asked: "Why SHOULD and not MUST? At a minimum, I would expect to see some description of what should happen if CA-TLV is NOT the last TLV in the LLS block - and if the expectation is that processing continues, I'm not sure what this sentence means..."

- <li> Tim Polk:Discuss [2008-12-17]: Two issues I would like to discuss about LLS. Assuming that these issues need to be addressed, I believe they could be handled in the security considerations.

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- <li> Since LLS is optional and is not a negotiated capability, there is no way to determine if the OSPF router receiving the OSPF packet is using this information. Section 2 glosses over these complications by stating "changes made due to LLS block TLV's do not affect the basic routing when interacting with non-LLS routers."

- <br> This strikes me as a goal rather than a promise. I

think text describing the implications of poorly designed LLS data processing is needed, and provide reasonable guidance for protocol designers that want to use this feature.

<li> I think there is a decent chance that a router will be connected to a router that either doesn't recognize LLS at all or expects different information to be transmitted (routers from a different domain or manufacturer?). Given that, wouldn't it be prudent to recommend that this feature be configurable on a per-interface basis?

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Comment [2008-12-17]: The security considerations section would benefit from a few pointers and a bit more text. I suggest adding the following to the first paragraph:

<br> Security Considerations inherited from OSPFv2 are described in [OSPFV2].

<br> I would suggest adding the following to the second paragraph:

<br> Security considerations inherited from OSPFv3 are described in [OSPFv3] and [OSPFV3AUTH].

<li> Dan Romascanu: Discuss [2008-12-17]:

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<li> The IANA considerations section should be expressed in terms of RFC 5226, which replaces RFC 2434 which would have been the correct reference for [IANA]. If I understand correctly the policy for values 0-32767 is intended to be IETF Review, while the policy for values 32768-65536 is Expert Review.

<li> It is not clear to me what Private and Experimental TLVs mean. Will an Experimental TLV be marked in any way, so that routers know that they are dealing with an experiment? I do not understand how this is possible, and unless there is some good reason I suggest to drop Experimental and leave this option for private usage only.

<li> I would suggest some more crisp text that makes clear the criteria for approving TLVs i.e. for the goal of OSPF Link-Local signaling. Unless the intent is to allow for this technique to become a vehicle for transferring arbitrary information, it would be good to make clear that such overloading of the semantics is not permitted.

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<li> Mark Townsley: Comment [2008-12-18]:

<br> 2.4. Extended Options TLV: "Bits in the Value field do not have any semantics from the point of view of the LLS mechanism. This field MAY be used to announce some OSPF capabilities that are link-specific. Also, other OSPF extensions MAY allocate bits in the bit vector to perform boolean link-local signaling."

<br> This field doesn't seem to scope the LLS options to be link-local in nature, which I would think would be a minimum requirement. Further, it seems that the bits are not even restricted to being "Extended Options" given that there is explicit wording allowing

the bits to be used as boolean flags.

<br> I think that at a minimum this needs to be scoped to link-local signaling, and should probably be renamed to "Extended Flags" or some such so that people will not mistake that it is only used for capability option signaling, but also is open for use for any sort of boolean signaling.

<br> 2.1. Options Field: I would rename this section to "L-bit in Options Field" so as not to imply that the Options field is being defined in this document, just that the L bit is.

<br> 2.6. Private TLVs: All other TLVs come with a picture, except this one.

<br> "The data included in the LLS block attached to a Hello packet MAY be used for dynamic signaling since Hello packets may be sent at any time in time."

<br> time in time?

<li> Magnus Westerlund: Discuss [2008-12-17]: This document allows for up to 64k big data objects to be added to OSPF messages. This clearly affects the amount of data consumed by OSPF however, this document seems to have no discussion about the potential transport issues that adding arbitrary data objects can cause.

<br> Fragmentation of OSPF messages. A quick glance in RFC 2328 indicates that there are no built in fragmentation support. The reliance on IP fragmentation have two issues:

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<li> how the addition of extra data changes the loss probability for the message due to that a single loss among the fragments results in message delivery failure.

<li> That the potential size of the arbitrary data is not 64k, but actually 64k minus all the other message parts in the OSPF message.

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Then there is the issue of congestion avoidance and transmission rate control. I have now idea how this works in OSPF (please enlighten me), but enlarging the messages clearly have a potential impact on the message transmission behavior and consumed resources that at least needs to be commented on. Are you certain that the existing mechanism is suitable for arbitrary data?

<br> What reliability are provided for the arbitrary data? It seems that the core messages in OSPF handles reliability in various protocol dependent ways directly related to the message type. It is not at all clear that the arbitrary data object will have the same reliability requirements that the OSPF message it is being sent in. That needs consideration.

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<P><b>Telechat</b>:

<ul>

<li> Dave: Ross what do you mean TLV

- <li> Ross: existing specs say nothing about this... this has been experimental for awhile, do implementations successfully ignore this
- <li> Dave: they throw it away
- <li> Ross: I'll clear
- <li> Dave: Magnus, you can take data and move it into a separate instance, possible deployments where you don't mix
- <li> Magnus: performance in passing the messages... fragmentation... large messages subject to packet loss
- <li> Dave: OSPF has fixed packet sizes, OSPF has problem
- <li> Magnus: higher probability of dropping
- <li> Dave: generic problem, not related to this draft
- <li> Magnus: congestion-control, wonder how that will work, is another mechanism needed, will it work as intended
- <li> Dave: packets prioritized -- flood first. All implementations prioritize what they flood
- <li> Magnus: fairness problems? how to determine what rate is acceptable
- <li> Dave: transmit+acknowledge -- don't flood more until ack; ordering is implementation-dependent; could mention LSAs getting larger, beware; will ask author to contact Magnus; revised-ID needed
- <li> Tim: not sure my discuss is resolved yet
- <li> Dave: will be some back and forth

</ul><P>

<li> Elliptic Curve Cryptography Subject Public Key Information (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-pkix-ecc-subpubkeyinfo-11.txt"> draft-ietf-pkix-ecc-subpubkeyinfo-11.txt </a>

<br>Token: <a href="mailto:pasi.eronen@nokia.com"> Pasi Eronen </a>  
Note: Document shepherd is stefans@microsoft.com

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2957/index.html%3Ffilename=draft-ietf-pkix-ecc-subpubkeyinfo.html">Balloting</a>:

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<li> (none)

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<P><b>Telechat</b>:

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<li> Amy: open not here, no discuss, enough positions to approve; approved, notes?

<li> Pasi: no notes needed

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<li> Sieve Email Filtering: Ihave Extension (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/

2008-12-17/draft-freed-sieve-ihave-03.txt"> draft-freed-sieve-ihave-03.txt </a>

<br>Token: <a href="mailto:lisa@osafoundation.org"> Lisa Dusseault  
</a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2970/index.html%3Ffilename=draft-freed-sieve-ihave.html">Balloting</a>:

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<li> Russ Housley: Comment [2008-12-14]: In the Gen-ART Review by Ben Campbell, he suggested that the last paragraph of Section 4, last paragraph be moved toward the front of the document since it significantly constrains the scope.

<li> Tim Polk:Discuss [2008-12-17]:From Section 4, Ihave Test  
<br> "Ihave is designed to be used with extensions that add tests, actions, comparators, or arguments. It MUST NOT be used with extensions that change the underlying Sieve grammar or extensions like variables [RFC5229] that change how the content of Sieve scripts are interpreted."

<br> Is this constraint (the MUST NOT) enforced by the sieve implementation, or is this an admonition to script writers? I think the spec needs to be clear about the responsibility for this one...

<br> If the responsibility lies with the script writer, then the security considerations probably needs to describe the results of using ihave with the wrong classes of sieve extensions.

<br> Comment [2008-12-17]: This is just a style nit, but I found the capitalization of ihave at the beginning of a sentence rather confusing. I kept mentally converting "Ihave" to "I have" and then would have to convert it back again. Personally, I would stay with "ihave", even when starting a sentence. Just a thought.

<li> Magnus Westerlund: Comment [2008-12-17]: I think it would have been beneficial to include ABNF for how this fits the already existing SIEVE grammar.

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<P><b>Telechat</b>:

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<li> Amy: open not here, a discuss  
<li> Lisa: Tim, did you get answer (for spec-writers)  
<li> Tim: add a sentence or two, probably RFCed note, let's be clear whose responsibility this is (impact of ihave)

<li> Lisa: AD-followup

</ul><P>

<li> Multi-Protocol Label Switching (MPLS) label stack entry: "EXP" field renamed to "Traffic Class" field (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-mpls-cosfield-def-08.txt"> draft-ietf-mpls-

cosfield-def-08.txt </a>

<br>Token: <a href="mailto:rcallon@juniper.net"> Ross Callon </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2976/index.html%3Ffilename=draft-ietf-mps-cosfield-def.html">Balloting</a>:

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<li> Lars Eggert: Comment [2008-12-16]: Section 1.2, paragraph 7:  
"The EXP field has been renamed to the TC field, and thus all references in RFC 3270 to EXP field SHOULD be taken to refer to the TC field."

<br> I think the "SHOULD" here needs to be a "MUST" - otherwise it leaves the option of not using the new name. (And I don't believe an RFC2119 term is appropriate here, so it should be a lowercase "must".) Similar phrasings occur in Sections 2.3 and 2.4, and they should be changed accordingly.

<li> Tim Polk: Comment [2008-12-17]: Abstract:

<br> s/current use of the EXP this field/current use of this field/

<br> Section 1. Introduction

<br> s/after the work on the document were started/after the work on the document was started/

<br> Section 3. Use of the TC field

<br> s/have different TF fields from the rest/have different TC fields from the rest/

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<P><b>Telechat</b>:

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<li> Amy: open not here, no discusses, approved

<li> Ross: RFCed note is ready (typed last night)

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<p><b>2.1.2 Returning Items</b></p>

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<li> (none)

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<p><b>2.2 Individual Submissions</b></p>

<p><b>2.2.1 New Items</b></p>

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<li> Message Header Field for Indicating Message Authentication Status  
(Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-kucherawy-sender-auth-header-18.txt"> draft-kucherawy-sender-auth-header-18.txt </a>

<br>Token: <a href="mailto:lisa@osafoundation.org"> Lisa Dusseault  
</a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2899/index.html%3Ffilename=draft-kucherawy-sender-auth-header.html">Balloting</a>:

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<li> Pasi Eronen: Comment [2008-12-18]: Some places that need minor clarifications:

<br> Section 2.4.2, "pass" bullet: "author domain signature" probably should be "author signature" (the term used in other bullets here, and in ADSP draft itself).

<br> Section 1: "...are the published e-mail authentication methods in common use" should probably be phrased something like "domain-level e-mail authentication methods (as opposed to user-level authentication mechanisms such as S/MIME and OpenPGP)"

<br> Section 1.5.2: "...a message which validates is indeed entirely authentic" I think in this context "entirely authentic" could be misleading; if the signature validates, the signed parts of the message (the signature doesn't cover everything) haven't been modified after signing. Whether e.g. the value of the "From" field is entirely authentic depends on the signing practices (and for e.g. signatures added by mailing list exploders, that may vary). I'd suggest rephrasing this to something like "...a message which validates has not been modified after it was signed", or something like that.

<li> Russ Housley: Comment [2008-12-14]: In the Gen-ART Review by Suresh Krishnan, he said that one thing was unclear. He wanted to know how the MUA would convey the results to the user. For example, using the case C.5 from the appendix, what would the user actually see (Success indication, Failure indication, or something else)? Is this field used more as input for filters rather than communicating authentication information to the user? How is the authenticity of the sender established?

<li> Cullen Jennings: Comment [2008-12-17]: I can not find evidence on any IETF mailing list of any consensus to publish this.

<li> Chris Newman: Comment [2008-12-15]: ' "CFWS" is as defined in section 3.2.3 of [MAIL]. '

<br> I believe that should be section 3.2.2.

<li> Dan Romascanu: Discuss [2008-12-18]: There are three issues in the DNS-DIR review by Peter Koch which I would like to be addressed before I can support the approval of this document.

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<li> The draft has issues with terminology, when it again uses 'domain' as a synonym for an organization - even though it goes the laudable approach of re-introducing the term ADMD (which reminds me of X.400, again).

<br> 1.2 says: "This document makes several references to

the "trust boundary" of an administrative mail domain (ADMD). Given the diversity among existing mail environments, a precise definition of this term isn't possible."

<br> Fine, although the relation to X.400 ADMDs might be worth noting to appreciate the historical parallels. The problem I see is that later in the document the term isn't used consistently, but instead "domain" again appears as an acting entity, as in [2.4.3] "none: No policy records were published by the sender's domain".

<br> There is a fundamental and reoccurring disagreement about the nature of "a domain" between the DNS and the Mail community, which is fine as long as each group is having internal conversation. At the overlap areas we have this issue over and over again and I'd really appreciate if that issue would be wider acknowledged and addressed. This isn't only about wording, but also about implications of hierarchy, administrative boundaries, setting "domain wide" defaults and so on.

<br> That said, introducing "ADMD" seems to be a good way forward, if it's used consistently and if the distinctions between an ADMD and a (DNS) domain are dealt with properly.

<li> 2. More to the protocol level, the references to DNS error conditions in sections 2.4.3 and 2.4.4 as well as 3 need a bit more thought.

<br> 2.4.4 defines the "iprev" method of "authentication" (which reminds me of our, dnsop's, reverse mapping draft under consideration). I can't tell the difference between

<br> "softfail: The reverse DNS evaluation failed. In particular, one or both of the "reverse" and forward lookups returned no data (i.e. a DNS reply code of NODATA)."

<br> and

<br> "permerror: The reverse DNS evaluation could not be completed due to some error which is unrecoverable (e.g. a DNS reply code of NODATA or NXDOMAIN). A later attempt is unlikely to produce a final result."

<br> First, there is no real reply code of NODATA (the description is usually NOERROR/NODATA, meaning NOERROR and empty answer section), but it's unclear to me what the author really wants to achieve here.

<li> 3. The description of the "iprev" method in section 3 defers details to RFC 4408, which is an experimental RFC, while the draft under consideration aims at Proposed.

<li> 4. Also, there's the conceptual/terminology issue again: "A successful test using this algorithm constitutes a result of "pass" since the domain in which the client's PTR claims it belongs has confirmed that claim. A failure to match constitutes a "hardfail". "

<br> It isn't that the match acknowledges the membership in some kind of administrative boundary; it's just a consistency check of some limited value. The whole discussion should take into account the

long debate that has taken place in DNSOP regarding the draft-ietf-dnsop-reverse-mapping-considerations draft. This is currently expired, but will be revived and WGLCed "soon".

<br> Comment [2008-12-18]: Nit: 1.6 has a conflicting expansion of ADMD (s/Mail/Management/).

</ol>

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: number of open, not here, a discuss

<li> Lisa: Dan, when did DNSdir review come in

<li> Dan: last 6 hours

<li> Lisa: haven't seen it yet.

<li> Dan: terminology creating confusion, this doc will improve the situation but new terminology not consistent

<li> Lisa: Cullen, discussed on non-IETF list which uses NoteWell

<li> Cullen: one comment on IETF list, not clear whether he supports this; worried that we might be rubber-stamping something developed off in a corner

<li> Lisa: it's already implemented and deployed and interoperable

<li> Cullen: I would discuss if I had evidence of actual lack of consensus, just a comment because of the weak process

<li> Lisa: any other things to discuss; revised-ID needed

</ul><P>

</ol>

<p><b>2.2.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>3 Document Actions</b></p>

<p><b>3.1 WG Submissions</b></p>

<p><b>3.1.1 New Items</b></p>

<ol>

<li> LDP IGP Synchronization (Informational)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-mpls-ldp-igp-sync-03.txt"> draft-ietf-mpls-ldp-igp-sync-03.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2853/index.html%3Ffilename=draft-ietf-mpls-ldp-igp-sync.html">Balloting</a>:

<ol>

<li> Ross Callon: Discuss [2008-12-17]: The authors have indicated

that they intend to update the document right after the telechat to respond to Gen-Art and Sec-Dir reviews. I am just holding a "friendly" discuss that I will clear as soon as this update is out.

<li> Pasi Eronen: Comment [2008-12-18]: (empty)

<li> Russ Housley: Comment [2008-12-14]: Please look at the editorial comments in the Gen-ART Review from Francis Dupont.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: no discuss... approved, notes?

<li> Dan: technical summary needs to be filled in

</ul><P>

<li> OSPFv3 Based Layer 1 VPN Auto-Discovery (Experimental)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/draft-ietf-l1vpn-ospfv3-auto-discovery-02.txt"> draft-ietf-l1vpn-ospfv3-auto-discovery-02.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2008-12-17/ballot/2876/index.html%3Ffilename=draft-ietf-l1vpn-ospfv3-auto-discovery.html">Balloting</a>:

<ol>

<li> Pasi Eronen: Discuss [2008-12-18]: I have question about TLV numbering. The L1VPN INFO TLV (RFC 5252 Section 2.2) used type "1", but apparently there's no IANA registry for these numbers. The L1VPN IPv6 INFO TLV (this document) uses type "2". Both the Link TLV in RFC 3630 and the Link TLV in ospfv3-traffic (either of which can be present here) also use type "2".

<br> Should we renumber the L1VPN IPv6 INFO TLV to "3" and the ospfv3-traffic Link TLV to "4", or somehow clarify how these are parsed?

<br> Comment [2008-12-18]: Section 2.2, "is either the Router Address TLV or Local interface IP address link sub-TLV" probably should be "is either the Router IPv6 Address TLV or Local Interface IPv6 Address sub-TLV" to match the terminology in ospfv3-traffic-13?

<li> Tim Polk: Comment [2008-12-18]: I support Pasi's discuss. In particular, when more than one L1VPN Info TLV is present, it is unclear to me how to determine if a TE Link TLV is present.

<li> Dan Romascanu: Discuss [2008-12-18]: The document contains no manageability or operational impact information. I would have expected at a minimum that it would mention the impact on network traffic (if any), coexistence and/or migration to version 2, how are the network devices configured ('management directives' are mentioned at one place, but this is too little), how is the discovery information exposed, and if any existing management data base (e.g. MIB module) needs to be created or extended to cover this functionality. If this information or part of it is available in some other document please indicate and

provide that document as a reference.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple of discusses

<li> Dave: Dan, new version, are changes acceptable?

<li> Dan: haven's seen new version

<li> Dave: revised-ID needed

</ul><P>

<li> Urban WSNs Routing Requirements in Low Power and Lossy Networks  
(Informational)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/  
2008-12-17/draft-ietf-roll-urban-routing-reqs-02.txt"> draft-ietf-roll-  
urban-routing-reqs-02.txt </a>

<br>Token: <a href="mailto:dward@cisco.com"> David Ward </a>

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/  
telechat/2008-12-17/ballot/2958/index.html%3Ffilename=draft-ietf-roll-  
urban-routing-reqs.html">Balloting</a>:

<ol>

<li> Jari Arkko: Comment [2008-12-18]: I support Pasi's Discuss.

<li> Ron Bonica: Comment [2008-12-18]: Also support Pasi's DISCUSS

<li> Pasi Eronen: Discuss [2008-12-18]: I have reviewed draft-ietf-  
roll-urban-routing-reqs, and I have major architectural concerns with  
the document.

<br> In particular, I was surprised to not find any description  
of the assumed network architecture in this document. I had assumed this  
would be just another routing protocol for IPv6, but that doesn't seem  
to be the case (the document doesn't actually say much about the network  
protocol this routing is for -- it could be something else than IP  
completely!)

<br> For example, there are parts (for example, "groupcast")  
that would seem to imply that the network layer protocol is not IPv6 (or  
it's either heavily extended, or a new network protocol layer is  
inserted above the link layer and below IPv6).

<br> There are also text that suggests that routers are not  
just network layer elements (that forward packets based on the network  
layer headers), but also include application layer functionality (that  
interacts with the network layer and routing in rather unspecified  
ways). It's not clear whether this is intended to be just co-location of  
different layers in the same physical box, or largely a non-layered  
architecture where there is no well-defined separation between the  
network layer/routing and application level functionality (and parts of  
applications are essentially merged to the network layer/routing -- so  
the network layer wouldn't really be IPv6 in any sense, even if the on-  
the-wire headers looked similar).

<br> Moving from the overall architecture to security specifically, as noted in Sandra Murphy's SecDir review, the document needs to make a clearer distinction between the security requirements/mechanisms of applications using the urban LLNs, requirements/mechanisms of data forwarding, and requirements/mechanisms for routing (maintaining the state used for data forwarding). Much of the confusion here probably comes from the above-mentioned lack of well-defined layers in the network architecture; in non-layered network architectures (e.g. "boxes connected by lines" or "beads on a string") the distinction between applications and network is less clear.

<br> Since it seems the expected modularization of functionality between layers (and in particular, functionality of the network layer protocol(s) and what "the network" looks like to applications) is somewhat different from normal Internet architecture and IPv6, it seems the WG should start with an architecture document before defining requirements for the routing protocol.

<br> That could describe at least the high-level view of how functions are modularized (layers or otherwise), how forwarding and addressing work (important for routing -- includes where state is needed, how network resources are allocated, etc.), what entities are named/addressed (e.g. what layer the addresses refer to), and -- perhaps most importantly -- what "the network" looks like to applications running "on top of it" (if it's a layered architecture -- if it's not, that's even more complex).

<li> Russ Housley: Discuss [2008-12-14]: Based on the discussion that has followed the Gen\_ART Review by Brian Carpenter, an updated document is needed, and it has not been posted yet.

<li> Cullen Jennings: Comment [2008-12-17]: I'll be a bit surprised to see this have the security and reliability to control traffic lights.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple of discusses

<li> Pasi: resolving my discuss won't be easy; specifying requirement for routing on some network layer we don't know, dataflows over different paths, including middleboxes

<li> Dave: aggregation is attribute of a node, needs to be passed in protocol

<li> Pasi: specifying path involves forwarding plane

<li> Dave: based on attributes of links and nodes, the requirement is how to specify

<li> Pasi: if routing protocol is maintaining state, needs to know...

<li> Dave: knows topology and reachability; WG only chartered to specify extensions, what you're discussing is outside the charter

- <li> Tim?: 6LOPAN can give us some guidance; no way to partition this problem if we open everything you want; need to modularize to maintain progress
- <li> Dave: don't see how we can do what Pasi wants within the charter
- <li> Ross: forwarding plane may not belong in Routing area
- <li> Dave: we're merely at the requirements stage; this won't be the group defining transport
- <li> Ross: the requirement I thought of don't belong in this document, so I didn't write them up
- <li> Dave: also will have requirements for home, rural... will have to face shortest-path issues elsewhere
- <li> Dave: Pasi's having audio problems, AD followup

</ul><P>

</ol>  
<p><b>3.1.2 Returning Items</b></p>  
<ol>  
<li> (none)

</ol>  
  
<p><b>3.2 Individual Submissions via AD</b></p>  
<p><b>3.2.1 New Items</b></p>  
<ol>  
<li> (none)

</ol>  
  
<p><b>3.2.2 Returning Items</b></p>  
<ol>  
<li> (none)

</ol>  
  
<p><b>3.3 Independent Submissions via RFC Editor</b></p>  
<p><b>3.3.1 New Items</b></p>  
<ol>  
<li> (none)

</ol>  
  
<p><b>3.3.2 Returning Items</b></p>  
<ol>  
<li> (none)

</ol>

<P> 1233 EDT break

<P> 1239 EDT back

<ul>

- <li> Loa Andersson--- y
- <li> Jari Arkko---
- <li> Marc Blanchet---
- <li> Ron Bonica--- y
- <li> Ross Callon---
- <li> Michelle Cotton--- y
- <li> Lisa Dusseault--- y
- <li> Lars Eggert---
- <li> Pasi Eronen--- y
- <li> Marshall Eubanks---
- <li> Sandy Ginoza--- y
- <li> Russ Housley---
- <li> Cullen Jennings--- y
- <li> Olaf Kolkman--- y
- <li> John Leslie--- y
- <li> Cindy Morgan--- y
- <li> Chris Newman--- y
- <li> Ray Pelletier---
- <li> Jon Peterson---
- <li> Tim Polk--- y
- <li> Dan Romascanu--- y
- <li> Mark Townsley--- y
- <li> Amy Vezza--- y
- <li> Dave Ward--- left during break
- <li> Magnus Westerlund--- y

</ul>

<p><b>4 Working Group Actions</b></p>

<p><b>4.1 WG Creation</b></p>

<p><b>4.1.1 Proposed for IETF Review</b></p>

<ol>

<li> Message Organization (morg)

<br>Token: <a href="mailto:chris.newman@sun.com"> Chris </a>

<P><b>Telechat</b>:

<ul>

- <li> Amy: and objection to external review
- <li> Lisa: pretty poor participation from clients doing the most

work

- <li> Chris: reasonable attendance at BoF

- <li> Lisa: was AppleMail there? Can we get charter considered outside the usual channels

- <li> Chris: can seek volunteer to proslytize
  - <li> Lisa: I can do some of that
  - <li> Chris: working on CoChair
  - <li> Amy: external review approved
- </ul><P>

</ol>

<p><b>4.1.2 Proposed for Approval</b></p>

<ol>

- <li> (none)

</ol>

<p><b>4.2 WG Rechartering</b></p>

<p><b>4.2.1 Under evaluation for IETF Review</b></p>

<ol>

- <li> (none)

</ol>

<p><b>4.2.2 Proposed for Approval</b></p>

<ol>

- <li> (none)

</ol>

<p><b>5. IAB News We can use</b></p>

<ol>

- <li> Loa: not much to say; one aspect of NAT66

</ol>

<p><b>6. Management Issues</b></p>

<ol>

- <li> Early RFC number assignment for draft-jerichow-msec-mikey-genext-oma (Tim Polk)

<P><b>Telechat</b>:

<ul>

- <li> Tim: request from authors, open mobile, asking for early assignment of RFC#

- <li> Sandy?: no such thing as early assignment, only expedited publishing

- <li> Amy: expedited publishing approved

</ul><P>

</ol>

<p><b>7. Agenda Working Group News</b></p>

<ul>

- <li> Jari Arkko (Internet)---

- <li> Ron Bonica (O & M)--- nothing
- <li> Ross Callon (Routing)--- nothing
- <li> Lisa Dusseault (Applications)--- no
- <li> Lars Eggert (Transport)---
- <li> Pasi Eronen (Security)--- no
- <li> Russ Housley (General)---
- <li> Cullen Jennings (RAI)--- heads up, transition to new IPR rules, how to get permission from previous authors, likely to show up at IESG soon
- <li> Olaf: Russ offline due to conference in China; issue is with IETF-approved BCP, just returned from conference call discussing possible work-around
- <li> Lisa: is there anything we can tell the community?
- <li> Olaf: problem is with revision of documents before November 10, need warranty for use outside IETF, may be impossible; not an issue for completely new work
- <li> Cullen: exchanged email with Russ: he will try to work on it tomorrow
- <li> Ron: does trouble date from our Nov 10 action?
- <li> Olaf: problem existed before that, finger-pointing doesn't help; not quite clear what to do about copyright notice, current boilerplate may be inaccurate; recommend a notice that we're aware of the problem and working on it -- hopefully before Christmas
- <li> Chris Newman (Applications)--- pass
- <li> Jon Peterson (RAI)---
- <li> Tim Polk (Security)--- pass
- <li> Dan Romascanu (O & M)--- nothing
- <li> Mark Townsley (Internet)--- nothing
- <li> Dave Ward (Routing)---
- <li> Magnus Westerlund (Transport)--- nothing

</ul>

<P>1301 EDT Adjourned

<hr>

<P><a href="http://validator.w3.org/check?uri=referer"></a>

</body>

</html>

--u3/rZRmxL6MmkK24--

Return-Path: <wwwrun@core3.amsl.com>

X-Original-To: iesg@ietf.org

Delivered-To: iesg@core3.amsl.com  
Received: by core3.amsl.com (Postfix, from userid 30) id 06DBD3A6916;  
Thu, 20 Aug 2009 15:26:09 -0700 (PDT)  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: The IESG <iesg@ietf.org>  
Subject: PRELIMINARY Agenda and Package for August 27, 2009 Telechat  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
Message-Id: <20090820222610.06DBD3A6916@core3.amsl.com>  
Date: Thu, 20 Aug 2009 15:26:10 -0700 (PDT)  
Cc: avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
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X-List-Received-Date: Thu, 20 Aug 2009 22:26:10 -0000

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the August 27, 2009 IESG Teleconference

This agenda was generated at 15:20:10 PDT, August 20, 2009  
Web version of this agenda can be found at:  
<http://www.ietf.org/iesg/agenda.html>

## 1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item

- o draft-ietf-simple-xcap-diff-13.txt  
An Extensible Markup Language (XML) Document Format for Indicating A Change  
in XML Configuration Access Protocol (XCAP) Resources (Proposed Standard) -  
1 of 7  
Note: Ben Campbell is taking over as the document Shepherd  
Token: Robert Sparks
- o draft-ietf-ippm-multimetrics-11.txt  
IP Performance Metrics (IPPM) for spatial and multicast (Proposed Standard)  
- 2 of 7  
Note: The document shepherd is Matt Zekauskas (matt@internet2.edu).  
Token: Lars Eggert
- o draft-ietf-ospf-hmac-sha-06.txt  
OSPFv2 HMAC-SHA Cryptographic Authentication (Proposed Standard) - 3 of 7  
Token: Ross Callon
- o draft-ietf-opsawg-syslog-alarm-02.txt  
Alarms in SYSLOG (Proposed Standard) - 4 of 7  
Note: Scott Bradner (sob@harvard.edu) is the document shepherd.  
Token: Dan Romascanu
- o draft-ietf-mext-binding-revocation-10.txt  
Binding Revocation for IPv6 Mobility (Proposed Standard) - 5 of 7  
Note: Julien Laganier (julien.laganier.ietf@googlemail.com) is the document shepherd.  
Token: Jari Arkko
- o draft-ietf-vcarddav-webdav-mkcol-06.txt  
Extended MKCOL for WebDAV (Proposed Standard) - 6 of 7  
Note: Julian Reschke <julian.reschke@greenbytes.de> agreed to shepherd the document.  
Token: Alexey Melnikov
- o draft-ietf-ntp-dhcpv6-ntp-opt-04.txt  
Network Time Protocol (NTP) Server Option for DHCPv6 (Proposed Standard) -  
7 of 7  
Note: Brian Haberman (brian@innovationslab.net) is the document shepherd.  
Token: Ralph Droms

### 2.1.2 Returning Item

NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

NONE

### 2.2.2 Returning Item

- o draft-green-secsh-ecc-08.txt

Elliptic-Curve Algorithm Integration in the Secure Shell Transport Layer

(Proposed Standard) - 1 of 2

Note: Jeffrey Hutzelman (jhutz@cmu.edu) is document shepherd.

Token: Tim Polk

- o draft-housley-iesg-rfc3932bis-08.txt

IESG Procedures for Handling of Independent and IRTF Stream Submissions

(BCP) - 2 of 2

Note: There is no document shepherd

Token: Jari Arkko

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-behave-nat-behavior-discovery-07.txt

NAT Behavior Discovery Using STUN (Experimental) - 1 of 4

Token: Magnus Westerlund

- o draft-ietf-bmwg-mpls-forwarding-meth-05.txt

MPLS Forwarding Benchmarking Methodology for IP Flows (Informational)

- 2

of 4

Token: Ron Bonica

- o draft-ietf-mext-aero-reqs-04.txt

Network Mobility Route Optimization Requirements for Operational Use in

Aeronautics and Space Exploration Mobile Networks (Informational) -

3

of 4

Note: Document Shepherd is Marcelo Bagnulo Braun

<marcelo@it.uc3m.es>

Token: Jari Arkko

- o draft-ietf-pwe3-mpls-transport-04.txt

Application of Ethernet Pseudowires to MPLS Transport Networks  
(Informational) - 4 of 4

Note: Matthew Bocci (matthew.bocci@alcatel-lucent.com) is the document

shepherd

Token: Ralph Droms

### 3.1.2 Returning Item

- o draft-ietf-ospf-manet-or-02.txt

Extensions to OSPF to Support Mobile Ad Hoc Networking  
(Experimental)

- 1

of 1

Token: Ross Callon

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item

NONE

#### 3.2.2 Returning Item

NONE

### 3.3 Independent Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

The document shepherd must propose one of these responses in the Data Tracker note and supply complete text in the IESG Note portion of the write-up. The Area Director ballot positions

indicate consensus with the response proposed by the document shepherd.

Other matters may be recorded in comments, and the comments will be passed on to the RFC Editor as community review of the document.

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

#### 4.1.2 Proposed for Approval

- o Multicast Mobility (multimob) - 1 of 1

Token: Jari Arkko

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

- o Internationalized Domain Names in Applications, Revised (idnabis) - 1 of 2

Token: Lisa Dusseault

- o DNS Extensions (dnstxt) - 2 of 2

Token: Ralph Droms

## 5. IAB News We can use

## 6. Management Issue

### 6.1 Tracking changes to WG charters (Alexey Melnikov)

### 6.2 Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

## 7. Working Group News

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the August 27, 2009 IESG Teleconference

This package was generated at 15:20:10 PDT, August 20, 2009.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, August 27, 2009 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, then please reply to this message as follows:

o If you are unable to participate, then please write "Regrets" after your name.

Jari Arkko---Will call in  
Ron Bonica---Will call in  
Ross Callon---Will call in  
Michelle Cotton---Will call in  
Ralph Droms---Will call in  
Lisa Dusseault---Will call in  
Lars Eggert---Will call in  
Pasi Eronen---Will call in  
Marshall Eubanks---Will call in  
Adrian Farrel---Will call in  
Sandy Ginoza---Will call in  
Russ Housley---Will call in  
Cullen Jennings---Will call in  
Olaf Kolkman---Will call in  
John Leslie---Will call in  
Alexey Melnikov---Will call in  
Cindy Morgan---Will call in  
Dave Oran---Will call in  
Ray Pelletier---Regrets  
Tim Polk---Will call in  
Dan Romascanu---Will call in  
Robert Sparks---Will call in  
Amy Vezza---Will call in  
Magnus Westerlund---Will call in

-----  
Topic: IESG Teleconference Webex

Date: Every 2 weeks on Thursday, from Thursday, August 27, 2009 to Thursday, October 22, 2009

Time: 8:30 am, Pacific Time (San Francisco, GMT-07:00)

Meeting Number: 965 501 496

Meeting Password: (This meeting does not require a password.)

\*\*\*Participants outside the U.S./Canada should use either one of the global toll numbers listed below, or use Skype to connect to the U.S. toll-free number. Participants using the global toll numbers will pay their own long distance charges through their own carriers.

\*\*\*Please DO NOT have WebEx connect you to the audio using your computer, or have WebEx call you back directly. For best audio quality, please connect using one of the numbers listed below, or by using Skype.

-----  
To join the online meeting (Now from iPhones too!)  
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1. Go to  
<https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&RT=MiM0>
2. Enter your name and email address.
3. Enter the meeting password: (This meeting does not require a password.)
4. Click "Join Now".

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<https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&ORT=MiM0>

-----  
To join the audio conference only  
-----

To join the audio conference, call the number below and enter the access code.

Call-in toll-free number (US/Canada): 866-699-3239

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Global call-in numbers:

Australia Toll	+61 (0)2 82239752
Austria Toll	+43 (0)1 79576257
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Denmark Toll	+45 38323066
Finland Toll	+358 (0)9 72519058
France Toll	+33 (0)157323123
Germany Toll	+49 (0)69 51709070
Hong Kong Toll	+852 30114556

Ireland Toll	+353 (0)1 6569197
Israel	1-80-9214668
Italy Toll	+39 02 69430409
Japan Toll	+81 (0)3 57675022
Luxembourg Toll	+352 3420808633
Netherlands Toll	+31 (0)20 2008070
New Zealand Toll	+64 (0)9 9200065
Norway Toll	+47 24159525
Singapore Toll	+65 66221061
South Korea Toll	+82 (0)234831042
Spain Toll	+34 912754164
Sweden Toll	+46 (0)8 50163255
Switzerland Toll	+41 (0)44 6545616
Taiwan Toll	+886 (0)2 21920244
UK Toll	+44 (0)20 70267693

Toll-free dialing restrictions:

[http://www.webex.com/pdf/tollfree\\_restrictions.pdf](http://www.webex.com/pdf/tollfree_restrictions.pdf)

Access code: 965 501 496

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To join the audio conference using Skype

- 
1. Bring up your Skype application.
  2. Bring up your browser, and go to the WebEx URL.
  3. Enter your name and email address.
  4. Close the WebEx window prompting for a phone number.
  5. Select the "info" tab at the top of the WebEx browser page.
  6. Go to Skype, and dial the U.S. Toll-Free number from the meeting announcement.
  7. Click on the DialPad tab on the Skype window.
  8. Use the virtual keypad to enter the meeting number followed by #.
  9. Use the virtual keypad to enter your attendee ID followed by #.

-----  
For assistance

- 
1. Go to <https://workgreen.webex.com/workgreen/mc>
  2. On the left navigation bar, click "Support".

You can contact me at:

[cmorgan@amsl.com](mailto:cmorgan@amsl.com)

1-510-492-4085

To add this meeting to your calendar program (for example Microsoft Outlook),

click this link:

[https://workgreen.webex.com/workgreen/j.php?](https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&ICS=MI&LD=1&RD=2&ST=1&SHA2=aF2UQMAp/Ged3Ro2eb6FoRVh1HD6wGJTfJFYQgfeVGU=&RT=MiM0)

[ED=117335722&UID=0&ICS=MI&LD=1&RD=2&](https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&ICS=MI&LD=1&RD=2&ST=1&SHA2=aF2UQMAp/Ged3Ro2eb6FoRVh1HD6wGJTfJFYQgfeVGU=&RT=MiM0)

[ST=1&SHA2=aF2UQMAp/Ged3Ro2eb6FoRVh1HD6wGJTfJFYQgfeVGU=&RT=MiM0](https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&ICS=MI&LD=1&RD=2&ST=1&SHA2=aF2UQMAp/Ged3Ro2eb6FoRVh1HD6wGJTfJFYQgfeVGU=&RT=MiM0)

The playback of UCF (Universal Communications Format) rich media files requires appropriate players. To view this type of rich media files in the meeting,

please check whether you have the players installed on your computer by going to

<https://workgreen.webex.com/workgreen/systemdiagnosis.php>

## 1.2 Bash the Agenda

### 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*

INTERNET ENGINEERING STEERING GROUP (IESG)

Minutes of the August 13, 2009 IESG Teleconference

Reported by: Cindy Morgan, IETF Secretariat

#### ATTENDEES

-----  
Jari Arkko (Ericsson) / Internet Area  
Ron Bonica (Juniper Networks) / Operations and Management Area  
Ross Callon (Juniper Network) / Routing Area  
Michelle Cotton (ICANN) / IANA liaison  
Lisa Dusseault (Messaging Architects) / Applications Area  
Lars Eggert (Nokia) / Transport Area  
Pasi Eronen (Nokia) / Security Area  
Adrian Farrel (Huawei) / Routing Area  
Sandy Ginoza (ISI) / RFC Editor liaison  
Russ Housley (Vigil Security, LLC) / IETF Chair, General Area  
Olaf Kolkman (NLnet Labs) / IAB Chair  
John Leslie / Scribe  
Alexey Melnikov (Isode Limited) / Applications Area  
Cindy Morgan (AMS) / IETF Secretariat  
Dave Oran (Cisco) / IAB Liaison  
Tim Polk (NIST) / Security Area  
Dan Romascanu (Avaya) / Operations and Management Area  
Robert Sparks (Tekelec) / Real-time App. and Infra. Area

## REGRETS

-----  
Ralph Droms (Cisco) / Internet Area  
Marshall Eubanks (Multicast Tech) / Scribe  
Cullen Jennings (Cisco) / Real-time App. and Infra. Area  
Ray Pelletier (ISOC) / IAD  
Amy Vezza (AMS) / IETF Secretariat  
Magnus Westerlund (Ericsson) / Transport Area

## MINUTES

### 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the July 16, 2009 Teleconference were approved. The Secretariat will place the minutes in the public archives.

The narrative minutes of the July 16, 2009 Teleconference were Approved. The Secretariat will place the narrative minutes in the public archives.

#### 1.2 Documents Approved since the July 16, 2009 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-dkim-rfc4871-errata-07.txt (Proposed Standard)
- o draft-ietf-l2tpext-circuit-status-extensions-05.txt (Proposed Standard)
- o draft-ietf-monami6-multiplecoa-14.txt (Proposed Standard)
- o draft-ietf-ospf-dynamic-hostname-05.txt (Proposed Standard)
- o draft-ietf-pkix-3281update-05.txt (Proposed Standard)
- o draft-ietf-pwe3-vccv-bfd-07.txt (Proposed Standard)
- o draft-ietf-smime-rfc3852bis-00.txt (Draft Standard)
- o draft-ietf-tcpm-rfc2581bis-07.txt (Draft Standard)

##### 1.2.2 Document Actions

- o draft-housley-aes-key-wrap-with-pad-04.txt (Informational)
- o draft-ietf-nsis-ntlp-20.txt (Experimental)
- o draft-igoe-secsh-aes-gcm-03.txt (Informational)
- o draft-irtf-mobopts-location-privacy-solutions-16.txt (Experimental)
- o draft-sinnreich-sip-tools-07.txt (Informational)

#### 1.3 Review of Action Items

##### DONE:

- o Ron Bonica to find an author to write a document that explains why

additional private address space is not a good idea.

DELETED:

NONE

IN PROGRESS:

- o Magnus Westerlund to draft an IESG Statement on BCP 32.
- o Jari Arkko to continue discussion with Henrik Levkowetz about enabling proper filtering to email aliases existing on the tools server.

NEW:

- o Robert Sparks to talk to Tom Taylor about Christian Groves taking over as MEGACO expert.
- o Lars Eggert to find someone to review the ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP document.
- o Dan Romascanu to draft text for the IESG wiki about how to handle having two chairs from the same company.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-rmt-bb-lct-revised-10.txt  
Layered Coding Transport (LCT) Building Block (Proposed Standard) - 1 of 13  
Token: Magnus Westerlund

The document remains under discussion by the IESG in order to resolve points raised by Robert Sparks.\*

- o draft-ietf-sieve-mime-loop-09.txt  
Sieve Email Filtering: MIME part Tests, Iteration, Extraction, Replacement and Enclosure (Proposed Standard) - 2 of 13  
Token: Lisa Dusseault

Alexey Melnikov formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Tim Polk.\*

- o draft-ietf-mpls-ldp-end-of-lib-03.txt  
LDP End-of-LIB (Proposed Standard) - 3 of 13  
Token: Adrian Farrel

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert and Robert Sparks.\*

- o draft-ietf-netconf-partial-lock-09.txt  
Partial Lock RPC for NETCONF (Proposed Standard) - 4 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen, Adrian Farrel, Alexey Melnikov, Tim Polk and Dan Romascanu.\*

- o draft-ietf-nea-pa-tnc-04.txt  
PA-TNC: A Posture Attribute Protocol (PA) Compatible with TNC (Proposed Standard) - 5 of 13  
Token: Tim Polk

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms, Russ Housley and Alexey Melnikov.\*

- o draft-ietf-nea-pb-tnc-04.txt  
PB-TNC: A Posture Broker Protocol (PB) Compatible with TNC (Proposed Standard) - 6 of 13  
Token: Tim Polk

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms, Russ Housley, Alexey Melnikov, Robert Sparks and Magnus Westerlund.\*

- o draft-ietf-dime-diameter-qos-11.txt  
Diameter Quality of Service Application (Proposed Standard) - 7 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Adrian Farrel and Alexey Melnikov.\*

- o draft-ietf-opsawg-syslog-snmp-05.txt  
Mapping Simple Network Management Protocol (SNMP) Notifications to SYSLOG Messages (Proposed Standard) - 8 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Alexey Melnikov.\*

- o draft-ietf-opsawg-syslog-msg-mib-05.txt  
Definitions of Managed Objects for Mapping SYSLOG Messages to Simple Network Management Protocol (SNMP) Notifications (Proposed Standard) - 9 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Jari Arkko, Pasi Eronen, Adrian Farrel and Tim Polk.\*

- o draft-ietf-l3vpn-as4octet-ext-community-03.txt  
Four-octet AS Specific BGP Extended Community (Proposed Standard) - 10 of 13  
Token: Ross Callon

The document remains under discussion by the IESG in order to resolve points raised by Tim Polk.\*

- o draft-ietf-mpls-tp-requirements-09.txt  
MPLS-TP Requirements (Proposed Standard) - 11 of 13  
Token: Adrian Farrel

The document was approved by the IESG pending an RFC Editor Note to be prepared by Adrian Farrel. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

- o draft-ietf-l3vpn-v6-ext-communities-02.txt  
IPv6 Address Specific BGP Extended Communities Attribute (Proposed Standard) - 12 of 13  
Token: Ross Callon

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Tim Polk.\*

- o draft-freed-sieve-in-xml-06.txt  
Sieve Email Filtering: Sieves and display directives in XML (Proposed Standard) - 13 of 13  
Token: Lisa Dusseault

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Russ Housley.\*

#### 2.1.2 Returning Item

NONE

### 2.2 Individual Submissions

#### 2.2.1 New Item

- o draft-iana-rfc3330bis-08.txt  
Special Use IPv4 Addresses (BCP) - 1 of 1  
Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert and Adrian Farrel.\*

#### 2.2.2 Returning Item

- o draft-housley-iesg-rfc3932bis-07.txt  
IESG Procedures for Handling of Independent and IRTF Stream Submissions (BCP) - 1 of 2  
Token: Jari Arkko

Russ Housley formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Jari Arkko.\*

- o draft-dusseault-impl-reports-04.txt  
Guidance on Interoperation and Implementation Reports for Advancement to Draft Standard (BCP) - 2 of 2  
Token: Tim Polk

Lisa Dusseault and Robert Sparks formally recused themselves from the discussion. The document was approved by the IESG. The Secretariat will send an individual submission Protocol Action Announcement that includes an RFC Editor Note prepared by Tim Polk.

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item

- o draft-ietf-ipfix-export-per-sctp-stream-03.txt  
IPFIX Export per SCTP Stream (Informational) - 1 of 2  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert, Adrian Farrel and Alexey Melnikov.\*

- o draft-ietf-pwe3-mpls-transport-04.txt  
Application of Ethernet Pseudowires to MPLS Transport Networks (Informational) - 2 of 2  
Token: Ralph Droms

The document was deferred to the next teleconference (August 27, 2009) by Ross Callon.

##### 3.1.2 Returning Item

NONE

#### 3.2 Individual Submissions Via AD

##### 3.2.1 New Item

- o draft-iana-special-ipv4-registry-02.txt  
IANA IPv4 Special Purpose Address Registry (Informational) - 1 of 1  
Token: Russ Housley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Russ Housley. The Secretariat will send an individual submission Document Action Announcement that includes the RFC Editor Note.

### 3.2.2 Returning Item

- o draft-housley-tls-authz-extns-07.txt  
Transport Layer Security (TLS) Authorization Extensions  
(Experimental) - 1 of 1  
Token: Tim Polk

Russ Housley formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Alexey Melnikov.\*

## 3.3 Independent Submissions Via IRTF

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Multicast Mobility (multimob) - 1 of 1  
Token: Jari Arkko

The IESG approved the draft WG charter for IETF review. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (August 27, 2009).

#### 4.1.2 Proposed for Approval

NONE

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

- o Internationalized Domain Names in Applications, Revised (idnabis) -  
1 of 1  
Token: Lisa Dusseault

The IESG decided to proceed with IETF review of the revised charter. The Secretariat will send a WG Review: Recharter announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG teleconference (August 27, 2009).

#### 4.2.2 Proposed for Approval

- o Mobility for IPv4 (mip4) - 1 of 1

Token: Jari Arkko

The IESG approved the revised charter for the working group pending edits to the charter to be provided by Jari Arkko. The Secretariat will send a WG Action: RECHARTER announcement.

#### 5. IAB News We can use

#### 6. Management Issue

##### 6.1 IETF Review of ITU-T MPLS-TP Documents (Adrian Farrel)

This management issue was removed from the agenda prior to the start of the teleconference.

##### 6.2 Issue last call for Language Tag experts as per draft-ietf-ltru-4646bis-23 (Alexey Melnikov)

The management issue was discussed. The IESG approved the text for the Last Call for Language Tag experts as per draft-ietf-ltru-4646bis-23.

##### 6.3 Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

The management issue was discussed.

##### 6.4 Expert for Megaco [IANA #257207] (Michelle Cotton)

The management issue was discussed.

Action Item: Robert Sparks to talk to Tom Taylor about Christian Groves taking over as MEGACO expert.

##### 6.5 Approve expert reviewers for draft-ietf-calsify-rfc2445bis (Lisa Dusseault)

The management issue was discussed. The IESG approved Bernard Desruisseaux and Cyrus Daboo as expert reviewers for draft-ietf-calsify-rfc2445bis.

## 6.6 Backup Media Type expert reviewer (Alexey Melnikov)

The management issue was discussed. The IESG appointed Mark Baker (distobj@acm.org) as the backup Media type (MIME) Expert Reviewer.

## 6.7 ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP (Russ Housley)

The management issue was discussed.

Action Item: Lars Eggert to find someone to review the ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP document.

## 6.8 Two chairs one company (Adrian Farrel)

The management issue was discussed.

Action Item: Dan Romascanu to draft text for the IESG wiki about how to handle having two chairs from the same company.

## 7. Working Group News

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\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG

### 1. Administrivia

#### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: August 17, 2009

- IP o Magnus Westerlund to draft an IESG Statement on BCP 32.
- IP o Jari Arkko to continue discussion with Henrik Levkowetz about enabling proper filtering to email aliases existing on the tools server.
- IP o Robert Sparks to talk to Tom Taylor about Christian Groves taking over as MEGACO expert.
- IP o Lars Eggert to find someone to review the ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP document.

- IP o Dan Romascanu to draft text for the IESG wiki about how to handle having two chairs from the same company.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 7

- o draft-ietf-simple-xcap-diff-13.txt

An Extensible Markup Language (XML) Document Format for Indicating A Change in XML Configuration Access Protocol (XCAP) Resources (Proposed Standard)

Note: Ben Campbell is taking over as the document Shepherd

Token: Robert Sparks

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-simple-xcap-diff-13.txt to Proposed Standard

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Evaluation for draft-ietf-simple-xcap-diff-13.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12965&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12965&rfc_flag=0)

Last Call to expire on: 2009-07-22

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]

Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ X ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

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---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

simple mailing list <simple@ietf.org>,

simple chair <simple-chairs@tools.ietf.org>

Subject: Protocol Action: 'An Extensible Markup Language (XML) Document Format for Indicating A Change in XML Configuration Access Protocol (XCAP)

Resources' to Proposed Standard

The IESG has approved the following document:

- 'An Extensible Markup Language (XML) Document Format for Indicating A Change in XML Configuration Access Protocol (XCAP) Resources ' <draft-ietf-simple-xcap-diff-13.txt> as a Proposed Standard

This document is the product of the SIP for Instant Messaging and Presence Leveraging Extensions Working Group.

The IESG contact persons are Robert Sparks and Cullen Jennings.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-simple-xcap-diff-13.txt>

Technical Summary

This specification defines a document format that can be used to indicate that a change has occurred in a document managed by the Extensible Markup Language (XML) Configuration Access Protocol (XCAP). This format indicates the document that has changed and its former and new entity tags. It also can indicate the specific change that was made in the document, using an XML patch format.

#### Working Group Summary

This document reflects the consensus of the SIMPLE working group. It is a companion document to a SIP Event package (xcap-diff) defined by the SIP working group, and leverages the xml-patch-ops work from SIMPLE.

#### Document Quality

The document has received cross-WG review, including attention from expert SIP-Events reviewers. A media type review was requested Oct 24, 2008.

#### Personnel

Ben Campbell is the document shepherd.  
Robert Sparks is the responsible area director.

#### RFC Editor Note

Nits to repair identified in IETF Last Call:

- 3 page 6: i.e. -> i.e.,
- 3 pages 7 and 8: endoced -> encoded
- Authors' Addresses page 16: US -> US

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 7

o draft-ietf-ippm-multimetrics-11.txt  
IP Performance Metrics (IPPM) for spatial and multicast (Proposed Standard)  
Note: The document shepherd is Matt Zekauskas (matt@internet2.edu).  
Token: Lars Eggert

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ippm-multimetrics-11.txt to Proposed Standard  
-----

Evaluation for draft-ietf-ippm-multimetrics-11.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=14149&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=14149&rfc_flag=0)

Last Call to expire on: 2009-08-19

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ X ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ippm mailing list <ippm@ietf.org>,

ippm chair <ippm-chairs@tools.ietf.org>

Subject: Protocol Action: 'IP Performance Metrics (IPPM) for  
spatial and multicast' to \*\*\* YOU MUST SELECT AN INTENDED  
STATUS

FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

The IESG has approved the following document:

- 'IP Performance Metrics (IPPM) for spatial and multicast '  
<draft-ietf-ippm-multimetrics-09.txt> as \*\*\* YOU MUST SELECT AN  
INTENDED STATUS FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document is the product of the IP Performance Metrics Working  
Group.

The IESG contact persons are Lars Eggert and Magnus Westerlund.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ippm-multimetrics-09.txt>

#### Technical Summary

The IETF has standardized IP Performance Metrics (IPPM) for measuring end-to-end performance between two points. This memo defines two new categories of metrics that extend the coverage to multiple measurement points. It defines spatial metrics for measuring the performance of segments of a source to destination path, and metrics for measuring the performance between a source and many destinations in multiparty communications (e.g., a multicast tree).

#### Working Group Summary

The working group input has improved this document through its revisions, and the document itself has been uncontroversial.

## Document Quality

No known implementations claim to implement this metric.  
However, other implementers in the group have read the draft.

## Personnel

The document shepherd is Matt Zekauskas (matt@internet2.edu).  
Lars Eggert (lars.eggert@nokia.com) reviewed it for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 7

- o draft-ietf-ospf-hmac-sha-06.txt  
OSPFv2 HMAC-SHA Cryptographic Authentication (Proposed Standard)  
Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ospf-hmac-sha-06.txt to Proposed Standard

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Evaluation for draft-ietf-ospf-hmac-sha-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=15931&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15931&rfc_flag=0)

Last Call to expire on: 2009-07-20

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ X ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ospf mailing list <ospf@ietf.org>,

ospf chair <ospf-chairs@tools.ietf.org>

Subject: Protocol Action: 'OSPFv2 HMAC-SHA Cryptographic Authentication'  
to Proposed Standard

The IESG has approved the following document:

- 'OSPFv2 HMAC-SHA Cryptographic Authentication '  
<draft-ietf-ospf-hmac-sha-05.txt> as a Proposed Standard

This document is the product of the Open Shortest Path First IGP Working Group.

The IESG contact persons are Ross Callon and Adrian Farrel.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ospf-hmac-sha-05.txt-05.txt>

## Technical Summary

This document describes how the NIST Secure Hash Standard family of algorithms can be used with OSPF version 2's built-in cryptographic authentication mechanism. This updates, but does not supersede, the cryptographic authentication mechanism specified in RFC 2328.

## Working Group Summary

No dissent reported (see PROTO writeup by Acee Lindem). Both WG members and members of the security community have reviewed the document. There was controversy as to how the HMAC-SHA digest would be computed and the subject draft is the agreed upon solution.

## Document Quality

The document has been updated in response to Gen-Art and Sec-dir reviews. There is at least one prototype implementation.

## Personnel

Acee Lindem is the Document Shepherd for this document. Ross Callon is the Responsible Area Director.

## RFC Editor Note

(Insert RFC Editor Note here or remove section)

## IRTF Note

(Insert IRTF Note here or remove section)

## IESG Note

(Insert IESG Note here or remove section)

## IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 7

- o draft-ietf-opsawg-syslog-alarm-02.txt

Alarms in SYSLOG (Proposed Standard)

Note: Scott Bradner (sob@harvard.edu) is the document shepherd.

Token: Dan Romascanu

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-opsawg-syslog-alarm-02.txt to Proposed Standard

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Evaluation for draft-ietf-opsawg-syslog-alarm-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17362&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17362&rfc_flag=0)

Last Call to expire on: 2009-08-05

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]

Dan Romascanu	[ X ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

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^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Alarms in SYSLOG' to Proposed Standard

The IESG has approved the following document:

- 'Alarms in SYSLOG '  
<draft-ietf-opsawg-syslog-alarm-02.txt> as a Proposed Standard

This document is the product of the Operations and Management Area Working Group.

The IESG contact persons are Dan Romascanu and Ron Bonica.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-opsawg-syslog-alarm-02.txt>

#### Technical Summary

This document describes how to send alarm information in syslog. It includes the mapping of ITU perceived severities onto syslog message fields and a number of alarm-specific SD-PARAM definitions from X.733 and the IETF Alarm MIB.

#### Working Group Summary

The document was revised based on WG feedback & the result meets

the issues that were raised.

#### Document Quality

SYSLOG is widely implemented and deployed, and the ITU severities are used by a number of protocols and alarm models including the IETF Alarm MIB.

#### Personnel

Scott Bradner is the Document Shepherd for this document. Dan Romascanu is the Responsible Area Director.

#### RFC Editor Note

Please insert the following edits in the published version:

In section 1,

Old: Alarm related terminology is defined in [RFC3877].

New: Alarm related terminology is defined in [RFC3877].

SD-ID, SD-PARM and other syslog related terms are defined in [RFC5424]

In section 3

Old: the SD-PARAMS are mandatory.

New: the SD-PARAMS are mandatory.

In section 3.6

Old: [RFC1738] and its updates. In the case of an SNMP resource, the

New: [RFC3986] and its updates. In the case of an SNMP resource, the

In section 4

Old: In this example, extended from [Syslog], the VERSION is 1 and the

New: In this example, extended from [RFC5424], the VERSION is 1 and the

In section 6

Old: IANA is requested to register the SD-IDs

New: IANA is requested to register the syslog Structured Data ID Values

In section 8.1

Old: [RFC1738] Berners-Lee, T., Masinter, L., and M. McCahill,  
"Uniform  
Resource Locators (URL)", RFC 1738, December 1994.

New: [RFC3986] Berners-Lee, T., Fielding, R., and Masinter, L.,  
"Uniform Resource Identifier (URI): Generic Syntax", RFC RFC3986,  
January  
2005.

IRTF Note

(Insert IRTF Note here or remove section)

IESG Note

(Insert IESG Note here or remove section)

IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 7

- o draft-ietf-mext-binding-revocation-10.txt

Binding Revocation for IPv6 Mobility (Proposed Standard)

Note: Julien Laganier (julien.laganier.ietf@googlemail.com) is the document shepherd.

Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mext-binding-revocation-10.txt to Proposed

Standard

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Evaluation for draft-ietf-mext-binding-revocation-10.txt can be found at

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acker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\_id&dTag=17614&rfc\_flag=0

Last Call to expire on: 2009-08-26

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ X ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mext mailing list <mext@ietf.org>,

mext chair <mext-chairs@tools.ietf.org>

Subject: Protocol Action: 'Binding Revocation for IPv6 Mobility' to Proposed Standard

The IESG has approved the following document:

- 'Binding Revocation for IPv6 Mobility '  
<draft-ietf-mext-binding-revocation-08.txt> as a Proposed Standard

This document is the product of the Mobility EXTensions for IPv6 Working Group.

The IESG contact persons are Jari Arkko and Ralph Droms.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-mext-binding-revocation-08.txt>

Technical Summary

This document defines a binding revocation mechanism to terminate a mobile node's mobility session and the associated resources. These semantics are generic enough and can be used by mobility entities in the case of Mobile IPv6 and its extensions. This mechanism allows the mobility entity which initiates the revocation procedure to request its corresponding one to terminate either one, multiple or all specified binding cache entries.

Working Group Summary

This is a product of the MEXT WG. The document's progress was coordinated with the NETLMM WG.

Document Quality

The mechanism specified by this document is relied upon by the Evolved Packet System developed by 3GPP and as thus will be implemented by 3GPP vendors.

Personnel

Document Shepherd is Julien Laganier. The Sponsoring AD is Jari Arkko.

RFC Editor Note

(Insert RFC Editor Note here or remove section)

IRTF Note

(Insert IRTF Note here or remove section)

IESG Note

(Insert IESG Note here or remove section)

IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 7

- o draft-ietf-vcarddav-webdav-mkcol-06.txt

Extended MKCOL for WebDAV (Proposed Standard)

Note: Julian Reschke <julian.reschke@greenbytes.de> agreed to shepherd the

document.

Token: Alexey Melnikov

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-vcarddav-webdav-mkcol-06.txt to Proposed Standard

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Evaluation for draft-ietf-vcarddav-webdav-mkcol-06.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=17286&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17286&rfc_flag=0)

Last Call to expire on: 2009-08-17

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]

Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ X ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

vcarddav mailing list <vcarddav@ietf.org>,

vcarddav chair <vcarddav-chairs@tools.ietf.org>

Subject: Protocol Action: 'Extended MKCOL for WebDAV' to Proposed Standard

The IESG has approved the following document:

- 'Extended MKCOL for WebDAV '  
<draft-ietf-vcarddav-webdav-mkcol-05.txt> as a Proposed Standard

This document is the product of the vCard and CardDAV Working Group.

The IESG contact persons are Alexey Melnikov and Lisa Dusseault.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-vcarddav-webdav-mkcol-05.txt>

Technical Summary

This specification extends the Web Distributed Authoring and

Versioning (WebDAV) MKCOL method to allow collections of arbitrary resourcetype to be created and to allow properties to be set at the same time. It avoids minting new MK\* methods (such as MKCALENDAR) for each new type of collection.

#### Working Group Summary

Process was smooth; the only early disagreement was about the scope of this document (whether it should apply to non-collection resources as well, and whether it should also setting ACLs). In the end, the WG converged on the minimal functionality needed to resolve the issue.

#### Document Quality

This protocol extension defined in this document is used by the VCARDDAV protocol (another deliverable of the Working Group), for which several vendors have announced support (for instance, Apple, and Viagenie).

#### Personnel

The Document Shepherd for this document was Julian Reschke, and the responsible Area Director is Alexey Melnikov.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 7

- o draft-ietf-ntp-dhcpv6-ntp-opt-04.txt

Network Time Protocol (NTP) Server Option for DHCPv6 (Proposed Standard)

Note: Brian Haberman (brian@innovationslab.net) is the document shepherd.

Token: Ralph Droms

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ntp-dhcpv6-ntp-opt-04.txt to Proposed Standard

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Evaluation for draft-ietf-ntp-dhcpv6-ntp-opt-04.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=17276&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17276&rfc_flag=0)

Last Call to expire on: 2009-08-17

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ X ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ntp mailing list <ntpwg@lists.ntp.isc.org>,  
ntp chair <ntp-chairs@tools.ietf.org>

Subject: Protocol Action: 'Network Time Protocol (NTP) Server Option for DHCPv6' to Proposed Standard

The IESG has approved the following document:

- 'Network Time Protocol (NTP) Server Option for DHCPv6 '  
<draft-ietf-ntp-dhcpv6-ntp-opt-04.txt> as a Proposed Standard

This document is the product of the Network Time Protocol Working Group.

The IESG contact persons are Ralph Droms and Jari Arkko.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ntp-dhcpv6-ntp-opt-04.txt>

#### Technical Summary

This document defines a DHCPv6 option and associated suboptions to provide Network Time Protocol version 4 or greater configuration information to DHCPv6 hosts.

#### Working Group Summary

This document has received in-depth review from both the NTP and DHC working groups and has strong support for advancement.

#### Document Quality

#### Personnel

Brian Haberman <brian@innovationslab.net> is the document shepherd for this document.

Ralph Droms <rdroms@cisco.com> is the responsible AD.

#### RFC Editor Note

There are two references that are not cited in the text. These references can be removed:

OLD:

[RFC4075] Kalusivalingam, V., "Simple Network Time Protocol (SNTP)

Configuration Option for DHCPv6", RFC 4075, May 2005.

[RFC4330] Mills, D., "Simple Network Time Protocol (SNTP) Version 4 for IPv4, IPv6 and OSI", RFC 4330, January 2006.

NEW <no new text>:

IRTF Note

(Insert IRTF Note here or remove section)

IESG Note

(Insert IESG Note here or remove section)

IANA Note

(Insert IANA Note here or remove section)

#### 2.1.2 Returning Item

NONE

#### 2.2.1 New Item

NONE

### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

#### 2.2 Individual Submissions

##### 2.2.2 Returning Item - 1 of 2

- o draft-green-secsh-ecc-08.txt

Elliptic-Curve Algorithm Integration in the Secure Shell Transport Layer

(Proposed Standard)

Note: Jeffrey Hutzelman (jhutz@cmu.edu) is document shepherd.

Token: Tim Polk

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-green-secsh-ecc-08.txt to Proposed Standard  
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Evaluation for draft-green-secsh-ecc-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=15220&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15220&rfc_flag=0)

Last Call to expire on: 2009-08-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ X ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>  
Subject: Document Action: 'Elliptic-Curve Algorithm Integration  
in the Secure Shell Transport Layer' to Informational RFC

The IESG has approved the following document:

- 'Elliptic-Curve Algorithm Integration in the Secure Shell Transport Layer'  
<draft-green-secsh-ecc-02.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Tim Polk.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-green-secsh-ecc-02.txt>

#### Technical Summary

This document describes algorithms based on Elliptic Curve Cryptography (ECC) for use within the Secure Shell (SSH) transport protocol. In particular, it specifies: Elliptic Curve Diffie-Hellman (ECDH) key agreement, Elliptic Curve Menezes-Qu-Vanstone (ECMQV) key agreement and Elliptic Curve Digital Signature Algorithm (ECDSA) for use in the SSH Transport Layer protocol.

#### Working Group Summary

This document is the result an individual submission by members of the community interested in seeing support for use of ECC algorithms in the SSH protocol. While there is no active working group behind this work, it was extensively reviewed and discussed on the ietf-ssh mailing list, which was the home of the Secure Shell Working Group before that group concluded and still counts many of the participants of that working group among its members.

#### Document Quality

While there are no existing implementations of this protocol, there has been indication of interest from SSH implementors.

#### Personnel

The document shepherd for this document is Jeffrey Hutzelman

The responsible Area Director is Tim Polk.

#### RFC Editor Note

(Insert RFC Editor Note here or remove section)

#### IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.2 Returning Item - 2 of 2

- o draft-housley-iesg-rfc3932bis-08.txt

IESG Procedures for Handling of Independent and IRTF Stream Submissions  
(BCP)

Note: There is no document shepherd

Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-housley-iesg-rfc3932bis-08.txt to BCP

-----

Evaluation for draft-housley-iesg-rfc3932bis-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17615&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17615&rfc_flag=0)

Last Call to expire on: 2009-06-29

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ X ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ X ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ X ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ X ]	[ ]	[ ]
Adrian Farrel	[ ]	[ X ]	[ . ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ R ]
Cullen Jennings	[ ]	[ X ]	[ . ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ X ]	[ . ]	[ ]
Dan Romascanu	[ ]	[ X ]	[ . ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ X ]	[ ]	[ ]

Chris Newman	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ X ]	[ ]	[ ]
David Ward	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Jari Arkko:

Discuss [2009-08-13]:

Holding a Discuss until -08 is posted and the IESG (including Cullen) has had a chance to look at the document.

Ross Callon:

Comment [2008-12-04]:

I agree with the DISCUSS comments by Cullen and Dan, but will let them hold the DISCUSS votes.

Adrian Farrel:

Comment [2009-04-23]:

A bunch of comments. The RFC Editor might catch some of these, but not all.

Check carefully because some of them have a subtle effect on the meaning.

1. Abstract

The Abstract contains an unnecessary note to the RFC Editor

{{{ RFC Editor: Please change "RFC XXXX" to the number assigned to this document prior to publication. }}}}

There is no reference to "RFC XXXX" in the document.

2. Section 1

Documents published in streams other than the IETF Stream may not s/may/might/

3. Section 1

Once these procedures are fully adopted, the IESG will continue to be responsible only for checking for conflicts between the work of the s/will continue to be responsible only/will be responsible only/

4. Section 2

s/IRTF stream/IRTF Stream/

5. Section 3

s/publications as RFC/publication as RFCs/

6. Section 3

s/types of conclusions/types of conclusion/

7. Section 3

s/for <X>/for WG <X>/

8. General

Would be nice to consistent about "Independent Stream" or "Independent Submission Stream"

Dan Romascanu:

Comment [2008-12-04]:

The current combination of rfc3932bis and 'IAB Headers and Boilerplate' leaves

out an important message that was included in the IESG Note.

Let us take the text for IRTF stream documents. The text in  
draft-iab-streams-headers-boilerplates-04.txt

- > IRTF Stream: "This document is a product of the Internet Research Task Force (IRTF). The IRTF publishes the results of Internet-related research and development activities. These results might not be suitable for deployment. This document has been approved for publication by the IRSG. It is not a product of the IETF and is therefore not a candidate for any level of Internet Standard; see section Section 2 of RFCXXXX."

is much weaker IMO than the text in the RFC 3932 IESG note:

- > This RFC is not a candidate for any level of Internet Standard. The IETF disclaims any knowledge of the fitness of this RFC for any purpose and in particular notes that the decision to publish is not based on IETF review for such things as security, congestion control, or inappropriate interaction with deployed protocols.

Missing to say 'is not based on IETF review' is essential IMO.

I sent a note to the IAB, as the fix should be in the IAB document.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'IESG Procedures for Handling of  
Independent and IRTF Stream Submissions' to BCP

The IESG has approved the following document:

- 'IESG Procedures for Handling of Independent and IRTF Stream Submissions '  
<draft-housley-iesg-rfc3932bis-06.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Jari Arkko.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-housley-iesg-rfc3932bis-06.txt>

## Technical Summary

This document is an update of the RFC 3932 rules about how IESG deals with independent submissions through the RFC editor. The update has become necessary due to the introduction of the IRTF document stream, and updates to the formatting of new RFCs, which make it clearer what their source is.

## Working Group Summary

This is not a WG output.

## Document Quality

This is a clarification of an existing BCP.

This document, in conjunction with its two companion documents, clarifies the IESG process for handling documents submitted for RFC publication on the Independent and IRTF streams. The removal of the IESG Note that is required by RFC 3932 is most welcome by authors of documents in these two RFC streams.

## Personnel

Jari Arkko has reviewed this specification for the IESG.

## RFC Editor Note

Please publish at the same time as these:

- draft-irtf-rfcs
- draft-iab-streams-headers-boilerplates

## IESG Note

(Insert IESG Note here or remove section)

## IANA Note

(Insert IANA Note here or remove section)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 1 of 4

- o draft-ietf-behave-nat-behavior-discovery-07.txt  
NAT Behavior Discovery Using STUN (Experimental)  
Token: Magnus Westerlund

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-behave-nat-behavior-discovery-07.txt to Experimental RFC

-----

Evaluation for draft-ietf-behave-nat-behavior-discovery-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=15728&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15728&rfc_flag=0)

Last Call to expire on: 2009-03-31

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ X ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]

Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ X ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Lisa Dusseault:

Discuss [2009-08-10]:

This is a good document & I have a few comments. Most of the comments are minor; the question about discovering a STUN server with this new usage supported is probably the biggest issue. But it's probably not a blocking issue, so I plan to clear this DISCUSS and let the authors handle this input as they will, after getting a chance to discuss on the telechat.

Section 1.

Got really confused reading this paragraph for a number of reasons: agency, context, and obsolete references.

The applications of this STUN usage are very different than the original use of RFC3489 [RFC3489], which was intended for static determination of device behavior. The NAT Behavior Discovery STUN usage makes an explicit statement that it is not, and cannot be, correct 100% of the time, but is still very useful. More generally, one of the important differences between 3489 and ICE is that ICE ensures there is always a fallback to TURN, and thus avoids the problem experienced by 3489-based applications that tried to determine in advance whether they would need a relay and what their peer reflexive address will be, which are both impossible. This STUN usage requires an application using it to have a fallback, but unlike ICE's focus on the problems inherent in VoIP sessions, doesn't assume that it will only be used to establish a connection between a single

pair of machines, and so alternative fallback mechanisms may make sense. For example, in a P2P application it may be possible to simply switch out of the role where such connections need to be established or to select an alternative indirect route if the peer discovers that, in practice, 10% of its connection attempts fail.

If I was able to interpret correctly, then this restatement *\*ought\** to be correct and provide a little more context. In addition, it reflects that STUN is now RFC5389, which probably needs to be fixed elsewhere too. "This STUN usage" is also pretty hard to qualify when other STUN usages are also being discussed ("the STUN usage defined in this specification" is clear but long), so it would be good to give this STUN usage a name...?

The applications of this STUN usage differ from the original use of STUN (originally [RFC3489], now [RFC5389]). This specification acknowledges that the information gathered in this usage is not, and cannot be, correct 100% of the time, whereas STUN focused only on getting information that could be known to be correct and static.

This specification can also be compared to ICE. ICE avoids the problem experienced by applications using STUN to determine in advance whether they would need a relay and what their peer reflexive address will be, which are both impossible [are these really individually impossible or just impossible to do together or impossible to do in advance?]. ICE avoids this problem by falling back to TURN, another usage of STUN. ICE focuses on problems inherent in VoIP sessions, which require a connection between a single pair of machines. The STUN usage defined in this specification requires an application using it to have

a fallback, but doesn't assume  
that it will only be used to establish a connection between a single  
pair of machines, and so alternative fallback mechanisms may make  
sense. For example, in a P2P application it may be possible to  
simply switch out of the role where such connections need to be  
established or to select an alternative indirect route if the peer  
discovers that, in practice, 10% of its connection attempts fail.

## Section 2.

The acronym expansion for STUN has changed, it's Session Traversal  
Utilities,  
not Simple traversal Under.

"NAT/FW" is not defined... I assume this is "NAT/Firewall"?

Section 3.6 "3.6. Detecting Generic ALGs" --> define or expand ALG  
acronym

## Section 5.1

The first phrase in this section implies that the client could  
configured  
with  
a transport address to a STUN server supporting this usage, but how  
would  
it  
know? Couldn't it be configured with a transport address to a STUN  
server that  
does *\*not\** support the usage? Is there a way of testing support for  
this  
usage  
that can't be conflated with a NAT failure?

## Section 7.3

"It is useful for detecting twice NAT configurations." --> Should this  
be  
"double NAT configurations"?

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
behave mailing list <behave@ietf.org>,  
behave chair <behave-chairs@tools.ietf.org>

Subject: Document Action: 'NAT Behavior Discovery Using STUN' to  
Experimental RFC

The IESG has approved the following document:

- 'NAT Behavior Discovery Using STUN '  
<draft-ietf-behave-nat-behavior-discovery-06.txt> as an Experimental  
RFC

This document is the product of the Behavior Engineering for Hindrance  
Avoidance Working Group.

The IESG contact persons are Magnus Westerlund and Lars Eggert.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-behave-nat-behavior-discovery-06.txt>

Technical Summary

This specification defines an experimental usage of the Simple  
Traversal Underneath Network Address Translators (NAT) (STUN)  
Protocol that discovers the presence and current behaviour of NATs  
and firewalls between the STUN client and the STUN server.

Working Group Summary

The original intent was to publish this specification as Informational,  
but the working group decided Experimental would be a better track in  
order to more clearly convey the risky nature of attempting to  
determine a NAT's behavior.

Document Quality

Two vendors are known to implement it. The IETF last call drew a number  
of comments about its applicability and a number of details. My review  
of them looks like they have been resolved in a reasonable way.

## Personnel

Dan Wing, [dwing@cisco.com](mailto:dwing@cisco.com) is the WG shepherd and Magnus Westerlund, [magnus.westerlund@ericsson.com](mailto:magnus.westerlund@ericsson.com) the responsible AD.

## RFC Editor Note

(Insert RFC Editor Note here or remove section)

## IRTF Note

(Insert IRTF Note here or remove section)

## IESG Note

(Insert IESG Note here or remove section)

## IANA Note

(Insert IANA Note here or remove section)

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 2 of 4

- o draft-ietf-bmwg-mpls-forwarding-meth-05.txt

MPLS Forwarding Benchmarking Methodology for IP Flows

(Informational)

Token: Ron Bonica

To: Internet Engineering Steering Group <[iesg@ietf.org](mailto:iesg@ietf.org)>

From: IESG Secretary <[iesg-secretary@ietf.org](mailto:iesg-secretary@ietf.org)>

Reply-To: IESG Secretary <[iesg-secretary@ietf.org](mailto:iesg-secretary@ietf.org)>

Subject: Evaluation: draft-ietf-bmwg-mps-forwarding-meth-05.txt to  
Informational RFC

-----

Evaluation for draft-ietf-bmwg-mps-forwarding-meth-05.txt can be found  
at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17701&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17701&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ X ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

bmwg mailing list <bmwg@ietf.org>,

bmwg chair <bmwg-chairs@tools.ietf.org>  
Subject: Document Action: 'MPLS Forwarding Benchmarking Methodology for  
IP  
Flows' to Informational RFC

The IESG has approved the following document:

- 'MPLS Forwarding Benchmarking Methodology for IP Flows '  
<draft-ietf-bmwg-mpls-forwarding-meth-05.txt> as an Informational RFC

This document is the product of the Benchmarking Methodology Working Group.

The IESG contact persons are Ron Bonica and Dan Romascanu.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-bmwg-mpls-forwarding-meth-05.txt>

(1.a) Who is the Document Shepherd for this document? Has the Document Shepherd personally reviewed this version of the document and, in particular, does he or she believe this version is ready for forwarding to the IESG for publication?  
Al Morton, chair of BMWG, has personally reviewed the document and will be the document shepherd. The document is ready for publication.

(1.b) Has the document had adequate review both from key WG members and from key non-WG members? Does the Document Shepherd have any concerns about the depth or breadth of the reviews that have been performed?  
Yes, this document has been refined in terms of its coverage and detail over the last 3 years, with good working group and external reviewer comments and addressed. Since becoming a chartered working group item last year, the draft has seen two WGLCs with many additional & constructive comments.

The 2nd WGLC was cross-posted to the mpls WG list, and there was some feedback.

<http://www.ietf.org/mail-archive/web/mps/current/msg02827.html>

The last WGLC went quietly, indicating that the BMWG is now satisfied with the document.

(1.c) Does the Document Shepherd have concerns that the document needs more review from a particular or broader perspective, e.g., security, operational complexity, someone familiar with AAA, internationalization or XML?

No, this methodology appears to satisfy its stated scope, and has benefited from the extensive review including those listed in the Acknowledgements section, and from a recently added co-author.

(1.d) Does the Document Shepherd have any specific concerns or issues with this document that the Responsible Area Director and/or the IESG should be aware of? For example, perhaps he or she is uncomfortable with certain parts of the document, or has concerns whether there really is a need for it. In any event, if the WG has discussed those issues and has indicated that it still wishes to advance the document, detail those concerns here. Has an IPR disclosure related to this document been filed? If so, please include a reference to the disclosure and summarize the WG discussion and conclusion on this issue.

No specific issues. Development of this draft has been smooth. No known IPR.

(1.e) How solid is the WG consensus behind this document? Does it represent the strong concurrence of a few individuals, with others being silent, or does the WG as a whole understand and agree with it?

There were some minor comments addressed as part of the third WGLC (mine), but otherwise the WG as a whole understands this draft and the need for it.

WG commentary has been sufficiently active.

(1.f) Has anyone threatened an appeal or otherwise indicated extreme discontent? If so, please summarize the areas of conflict in separate email messages to the Responsible Area Director. (It should be in a separate email because this questionnaire is entered into the ID Tracker.)

No.

(1.g) Has the Document Shepherd personally verified that the document satisfies all ID nits? (See <http://www.ietf.org/ID-Checklist.html> and <http://tools.ietf.org/tools/idnits/>). Boilerplate checks are not enough; this check needs to be thorough. Has the document met all formal review criteria it needs to, such as the MIB Doctor, media type and URI type reviews?

The draft passes all nits checks, except for one false alarm:

== There are 1 instance of lines with non-RFC3330-compliant IPv4 addresses

in the document. If these are example addresses, they should be changed.

which seems to be related to a section number reference on separate lines:

port(s) Bp. The frame may contain either an IP packet or an MPLS packet depending on the testcase need, as described in the Section 4.1.4.3. Furthermore, the IP packet must be either an IPv4 or IPv6  
^^^^^^

(1.h) Has the document split its references into normative and informative? Are there normative references to documents that are not ready for advancement or are otherwise in an unclear state? If such normative references exist, what is the strategy for their completion? Are there normative references that are downward references, as described in [RFC3967]? If so, list these downward references to support the Area Director in the Last Call procedure for them [RFC3967].  
No downward references.

(1.i) Has the Document Shepherd verified that the document IANA consideration section exists and is consistent with the body of the document? If the document specifies protocol extensions, are reservations requested in appropriate IANA registries? Are the IANA registries clearly identified? If the document creates a new registry, does it define the proposed initial contents of the registry and an allocation procedure for future registrations? Does it suggest a reasonable name for the new registry? See [RFC5226]. If the document describes an Expert Review process has Shepherd conferred with the Responsible Area Director so that the IESG can appoint the needed Expert during the IESG Evaluation?  
Yes.

(1.j) Has the Document Shepherd verified that sections of the document that are written in a formal language, such as XML code, BNF rules, MIB definitions, etc., validate correctly in an automated checker?  
Not Applicable.

(1.k) The IESG approval announcement includes a Document Announcement Write-Up. Please provide such a Document Announcement Write-Up? Recent examples can be found in the "Action" announcements for approved documents. The approval announcement contains the following sections:

Technical Summary

Over the past several years, there has been an increase in the use

of MPLS as a forwarding architecture in new and existing network designs. However, there is no standard method defined to compare and contrast the foundational MPLS packet forwarding capabilities of network devices. This document specifies a methodology using common criteria (such as throughput, latency, frame loss rate, system recovery, reset etc.) to evaluate MPLS forwarding of any implementation.

The purpose of this document is to describe a methodology specific to the benchmarking of MPLS forwarding devices. The methods described are limited in scope to the most common MPLS packet forwarding scenarios and corresponding performance measurements in a laboratory setting. This document focuses on the MPLS label stack having only one entry, as it is the fundamental of MPLS forwarding.

#### Working Group Summary

Development of this memo was smooth.

The memo has been refined in terms of its coverage and detail over the last 3 years, with good working group and external reviewer comments addressed.

#### Document Quality

The authors are not aware of fully functional implementation of this method, although a number of test tool vendors are considering it, with variable levels of commitment. Many WG members have thoroughly reviewed this

memo. Reviewers of previous versions include: Carlos Pignataro, Rodney Dunn, Scott Bradner, and Bill Cerveney.

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 3 of 4

- o draft-ietf-mext-aero-reqs-04.txt

Network Mobility Route Optimization Requirements for Operational Use  
in

Aeronautics and Space Exploration Mobile Networks (Informational)

Note: Document Shepherd is Marcelo Bagnulo Braun

<marcelo@it.uc3m.es>

Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mext-aero-reqs-04.txt to Informational  
RFC

-----

Evaluation for draft-ietf-mext-aero-reqs-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=16799&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16799&rfc_flag=0)

Last Call to expire on: 2009-08-19

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ X ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
mext mailing list <mext@ietf.org>,  
mext chair <mext-chairs@tools.ietf.org>  
Subject: Document Action: 'Network Mobility Route Optimization  
Requirements for Operational Use in Aeronautics and Space Exploration  
Mobile Networks' to Informational RFC

The IESG has approved the following document:

- 'Network Mobility Route Optimization Requirements for Operational Use  
in Aeronautics and Space Exploration Mobile Networks '  
<draft-ietf-mext-aero-reqs-04.txt> as an Informational RFC

This document is the product of the Mobility EXTensions for IPv6 Working Group.

The IESG contact persons are Jari Arkko and Ralph Droms.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-mext-aero-reqs-04.txt>

#### Technical Summary

This document describes the requirements and desired properties of Network Mobility (NEMO) Route Optimization techniques for use in global networked communications systems for aeronautics and space exploration.

#### Working Group Summary

This is product of the MEXT WG.

#### Document Quality

Substantial input to these requirements was given by aeronautical communications experts outside the IETF, including members of the

International Civil Aviation Organization (ICAO) and other aeronautical communications standards bodies.

#### Personnel

The Document Shepherd is Marcelo Braun, and the responsible Area Director is Jari Arkko.

#### RFC Editor Note

(Insert RFC Editor Note here or remove section)

#### IRTF Note

(Insert IRTF Note here or remove section)

#### IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If not, what changes would make it so?"

##### 3.1.1 New Item - 4 of 4

- o draft-ietf-pwe3-mpls-transport-04.txt

Application of Ethernet Pseudowires to MPLS Transport Networks  
(Informational)

Note: Matthew Bocci (matthew.bocci@alcatel-lucent.com) is the document

shepherd

Token: Ralph Droms

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-pwe3-mpls-transport-04.txt to  
Informational RFC

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Evaluation for draft-ietf-pwe3-mpls-transport-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=16038&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16038&rfc_flag=0)

Last Call to expire on: 2009-07-22

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ X ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ X ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ X ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ X ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Adrian Farrel:

Discuss [2009-08-12]:  
Discuss-Discuss

Despite the fact that I \*hate\* the concept of a Discuss-Discuss, I want

to have a discussion on the telechat with the rest of the IESG before we proceed with this draft. I hope to remove this part of the Discuss during the call without the need for involvement of the document shepherd or the authors.

The MPLS-TP work is pretty sensitive both from inter-SDO politics and for commercial reasons. This draft dates back to a time before the current cooperative agreement between the IETF and ITU-T to work jointly on MPLS-TP. The draft was originally conceived to demonstrate that (some of) the requirements of MPLS-TP could be met using existing MPLS and pseudowire tools.

It has been last called on the PWE3 WG mailing list, and was also last called to the MPLS WG list, but it did not form part of the MPLS-TP effort.

I want to be sure that this work is necessary and politically advisable, as well not conflicting with the MPLS-TP work. This is notwithstanding the text in Section 1 that says:

It is recognised that  
it is possible to design a more efficient method of satisfying the  
requirements, and the IETF anticipates that improved solutions will  
be proposed in the future.

- - - -

Discuss

Section 1 references requirements 30 and 31 in I-D.ietf-mpls-tp-requirements. The requirements numbering must have changed since this was written. You probably mean 31 and 32.

Russ Housley:

Comment [2009-08-13]:

The Gen-ART Review by Gonzalo Camarillo on 20-Jul-2009 includes a few things that should be considered:

All acronyms need to be expanded on their first use. This includes the title and the abstract of the draft.

Generally, abstracts should not contain references. I suggest removing the reference to RFC 4448 from it.

Dan Romascanu:

Discuss [2009-08-12]:

This is a DISCUSS-DISCUSS which I plan to clear after or during the telechat after making sure that the IESG debated all aspects of the decision to approve this RFC as Informational. Sections 2, 3 and 4 seem to include normative text, requirements, and even more - usage of control words, provisioning methods, etc. I understand that requirements in PWE3 are being described by Informational RFCs in PWE3 but in this case we are discussing about using PWE3 transport for MPLS-TP. Are we not going to be in the situation that these documents need to be PS or BCP?

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
pwe3 mailing list <pwe3@ietf.org>,  
pwe3 chair <pwe3-chairs@tools.ietf.org>  
Subject: Document Action: 'Application of Ethernet Pseudowires to MPLS Transport Networks' to Informational RFC

The IESG has approved the following document:

- 'Application of Ethernet Pseudowires to MPLS Transport Networks '  
<draft-ietf-pwe3-mpls-transport-04.txt> as an Informational RFC

This document is the product of the Pseudowire Emulation Edge to Edge Working Group.

The IESG contact persons are Ralph Droms and Jari Arkko.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-pwe3-mpls->

transport-04.txt

## Technical Summary

A requirement has been identified by the operator community for the transparent carriage of the MPLS(-TP) network of one party over the MPLS(-TP) network of another party. This document describes a method of satisfying this need using the existing PWE3 Ethernet pseudowire standard RFC4448.

## Working Group Summary

The draft originated as a response to the work that was then going on in the ITU to apply MPLS to transport networks. It reflected a desire to illustrate how IETF defined pseudowires could be applied to the problem of packet transport. Since that time, the development of MPLS-TP has proceeded in the IETF in close cooperation with the ITU-T. This draft addresses a sub-set of the MPLS-TP requirements using a limited set of existing MPLS and Pseudowire functionality, as defined in the IETF, but is not intended as a comprehensive standard for MPLS-TP per-se. The draft was widely reviewed by participants in the IETF MPLS-TP effort, as well as the MPLS and PWE3 WGs.

## Document Quality

There are no concerns about protocol quality. There are understood to be implementations of this protocol.

## Personnel

Who is the Document Shepherd for this document? Who is the Responsible Area Director? If the document requires IANA experts(s), insert 'The IANA Expert(s) for the registries in this document are <TO BE ADDED BY THE AD>.'

## RFC Editor Note

(Insert RFC Editor Note here or remove section)

## IRTF Note

(Insert IRTF Note here or remove section)

## IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"

##### 3.1.2 Returning Item - 1 of 1

- o draft-ietf-ospf-manet-or-02.txt

Extensions to OSPF to Support Mobile Ad Hoc Networking  
(Experimental)

Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ospf-manet-or-02.txt to Experimental RFC

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Evaluation for draft-ietf-ospf-manet-or-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=16923&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16923&rfc_flag=0)

Last Call to expire on: 2008-12-24

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ X ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]

Ross Callon	[ X ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ X ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
Cullen Jennings	[ ]	[ X ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ X ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ X ]	[ ]	[ ]

Chris Newman	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ X ]	[ ]	[ ]
David Ward	[ X ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Jari Arkko:

Comment [2009-01-15]:

> Note that the active overlapping relays selection algorithm is  
 > implementation specific, and the above is simply a suggested  
 > algorithm. However, the behavior of the overlapping relays MUST  
 > follow that specified in the "Flooding and Relay Decisions" Section.  
 > Moreover, the same selection algorithm MUST be used by all nodes  
 > within an area.

This should be raised earlier in the document. As written, the spec does not provide an interoperable solution. This may not be required for an experimental specification, but at the very least the reader should know about this after reading the introduction.

> attached to the broadcast network. Such designated routers must be

typo

Thomas Narten's quick review reaction was this:

When you do incremental updates, there are all sorts of failure edge

cases. Its  
a lot like how to correctly do a sliding window protocol.  
Just skimming the document, its not presented in a way that explains  
the basic idea behind the details. For correctness, you need equivalent  
of 3 way handshake to be sure both sides are synchronized w.r.t. shared  
state.

Ross Callon:

Comment [2009-01-15]:

I think that it is very unfortunate that we can't agree on one single  
standards  
track approach for supporting MANET networks with OSPF. However, I  
understand  
the difficulty here, and under the circumstances probably the least bad  
approach is to progress all three as experimental, and then hope to sort  
out  
differences with the aid of operational experience.

Russ Housley:

Discuss [2009-01-12]:

Ben Campbell provided significant comments in a Gen-ART Review that  
was posted on 2008-12-23. There has been no response to this review.  
Please respond to these Last Call comments.

The Gen-ART review can be found at:  
[http://www.softarmor.com/rai/temp-gen-art/  
draft-ietf-ospf-manet-or-01-campbell.txt](http://www.softarmor.com/rai/temp-gen-art/draft-ietf-ospf-manet-or-01-campbell.txt)

Tim Polk:

Discuss [2009-01-15]:

Ran Canetti provided significant comments in a secdir review that  
was posted on 2 January 2009. There has been no response to this  
review. Please respond to these Last Call comments.

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,  
ospf mailing list <ospf@ietf.org>,  
ospf chair <ospf-chairs@tools.ietf.org>  
Subject: Document Action: 'Extensions to OSPF to Support Mobile  
Ad Hoc Networking' to Experimental RFC

The IESG has approved the following document:

- 'Extensions to OSPF to Support Mobile Ad Hoc Networking '  
<draft-ietf-ospf-manet-or-01.txt> as an Experimental RFC

This document is the product of the Open Shortest Path First IGP Working Group.

The IESG contact persons are David Ward and Ross Callon.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-ospf-manet-or-01.txt>

#### Technical Summary

This document describes extensions to OSPF to support mobile ad hoc networks (MANETs). The extension, called OSPF-OR, includes a mechanism for link-local signaling, a OSPF-MANET interface, a simple technique to reduce the size of Hello packets by only transmitting incremental state changes, and a method for optimized flooding of routing updates.

#### Working Group Summary

The OSPF WG was unable to reach consensus on a single MANET OSPF approach and agreed to go forward with the three competing approaches as experimental RFCs.

#### Document Quality

Passed idnits. The document has been updated in response to Gen-Art and Sec-Dir comments. The protocol in this document has been simulated, and there are at least two implementations (see PROTO writeup by Acee Lindem in the I.D. Tracker).

#### Personnel

Dave Ward was the original responsible AD. Ross Callon is the current responsible AD. Acee Lindem is the Document Shepherd.

### 3.2.1 New Item

NONE

### 3.2.2 Returning Item

NONE

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.2 Proposed for Approval

- o Multicast Mobility (multimob) - 1 of 1

Token: Jari Arkko

### Mobility Multicast (multimob)

-----

Current Status: Proposed Working Group

Last Modified: 2009-08-07

Chairs:

TBD

Internet Area (int) Directors:

Jari Arkko <jari.arkko@piuha.net>

Ralph Droms <rdroms@cisco.com>

Internet Area Advisor:

Jari Arkko <jari.arkko@piuha.net>

Mailing Lists:

General Discussion: [multimob@ietf.org](mailto:multimob@ietf.org)

Subscribe online at: <https://www1.ietf.org/mailman/listinfo/multimob>

## Description of Working Group

The Multicast mobility (multimob) working group provides guidance for supporting multicast in a mobile environment. The scope of work will be limited to Proxy Mobile IPv6, MLD/IGMP protocols and listener mobility. Work requiring modifications to mobility protocols, MLD/IGMP, and multicast routing protocols is out of scope in this first stage of this working group.

Specific goals are:

- Document how multicast can be supported in a Proxy Mobile IPv6 environment
- Document the configuration of IGMP/MLD in mobile environments

The Proxy Mobile IPv6 (PMIPv6) specification as defined in RFC 5213 does not describe how to support multicast. Some forms of multicast support can, however, be built in the involved nodes by using existing capabilities of multicast protocols and the underlying mobility protocols. The first task of the working group is to document such solutions for PMIPv6. This work will not require any additions or changes to message types and parameters specified in RFC 5213, and will assume an unmodified mobile host. The work will employ the remote subscription model. This is mechanism by which a mobile node joins a multicast group and receives multicast data forwarded via the local mobility anchor.

IGMPv3/MLDv2 has been specified for wired networks with shared links. Mobile nodes have needs that are specific to wireless networks and mobility (e.g. entering a dormant mode to conserve battery power, minimizing the latency for joining and leaving a group in support of movement).

The second task of the WG is to assess existing solutions for group management, and determine to what extent these methods are sufficient in a mobile environment. This will include recommending appropriate selection of timer values and protocol parameters.

In performing its work, the working group will work closely with both the mobility community (NETLMM and NETEXT WGs) and the multicast community (MBONED WG). The group will consider both source specific multicast and any source multicast multicast models.

Future work, subject to rechartering, may study/evaluate extensions to

support PMIPv6 optimizations to address the avalanche problem and fast handover and extensions to IGMPv3/MLDv2 to support better operation in mobile environments.

#### Milestones:

Nov 2009 Initial version of a document explaining the use of multicast in PMIPv6

Nov 2009 Initial version of a document on how to tune IGMP/MLD for mobility

Feb 2010 Submit a document explaining the use of multicast in PMIPv6, for publication as either Informational or Best Current Practice

Feb 2010 Submit a document on how to tune IGMP/MLD for mobility, for publication as either Informational or Best Current Practice

Mar 2010 Recharter for additional optimization work involving extensions to PMIPv6, IGMPv3, or MLDv2

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.2 Proposed for Approval

o Internationalized Domain Names in Applications, Revised (idnabis) -

1

of 2

Token: Lisa Dusseault

Internationalized Domain Names in Applications, Revised (idnabis)

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Last Modified: 2009-08-10

Additional information is available at [tools.ietf.org/wg/idnabis](http://tools.ietf.org/wg/idnabis)

#### Chair(s):

- Vinton Cerf <[vint@google.com](mailto:vint@google.com)>

#### Applications Area Director(s):

- Lisa Dusseault <[lisa.dusseault@gmail.com](mailto:lisa.dusseault@gmail.com)>

- Alexey Melnikov <[alexey.melnikov@isode.com](mailto:alexey.melnikov@isode.com)>

#### Applications Area Advisor:

- Lisa Dusseault <[lisa.dusseault@gmail.com](mailto:lisa.dusseault@gmail.com)>

#### Mailing Lists:

General Discussion: [idna-update@alvestrand.no](mailto:idna-update@alvestrand.no)

To Subscribe: <http://www.alvestrand.no/mailman/listinfo/idna-update>

Archive: <http://www.alvestrand.no/pipermail/idna-update/>

#### Description of Working Group:

The original Internationalized Domain Name (IDN) WG specified rules for the use of characters other than Latin A(a)-Z(z), digits 0-9 and the hyphen (-) in domain names in RFC3490, RFC3491 and RFC3492 in 2002 (published in 2003 and often referenced collectively as "IDNA2003").

These documents depend on RFC 3454 and were tied to Unicode version 3.2. An update to the current version (5.x) is required to accommodate additional scripts. In addition, experience has shown that significant improvements could be made in the protocol as presently specified.

This WG is chartered to decouple IDNA from specific versions of Unicode using algorithms that define validity based on Unicode properties. It is recognized that some explicit exceptions may be necessary in any case, but attempts will be made to minimize these exceptions.

#### Additional goals:

- Separate requirements for valid IDNs at registration time (insertion of names into DNS zone files), vs. at resolution time (looking up those names)
- Review, and if necessary revise, the algorithms and rules for handling right to left character sequences in an IDN context to allow labels based on additional scripts and languages and to make presentation as predictable as reasonably possible.
- Permit use of some scripts that were inadvertently excluded by the original protocols.
- Ensure practical stability of validity algorithms for IDNs.

The constraints of the original IDN WG still apply to IDNABIS, namely to avoid disturbing the current use and operation of the domain name system, and for the DNS to continue to allow any system to resolve any domain name in a consistent way. The client-based approach of the original IDN work will be maintained -- substantially new protocols or mechanisms are not in scope. In particular, IDNs continue to use the "xn--" prefix and the same ASCII-compatible encoding, and the bidirectional algorithm follows the same basic design.

The specifications are initially organized as four documents: overview

and rationale, protocol, table algorithm, and improvements to the bidirectional algorithm. These documents are to be used as the basis for the discussion of the general direction of the work.

This working group will be providing extended public review of the output of a design team that has been working on improvement of the IDNA specifications.

This review-based approach is being used in part because of the way the work was undertaken by the team; in particular, the design team has been working with IETF visibility and has solicited and received significant amounts of technical review already from IETF participants and from others including experts in the Unicode specifications and the use of scripts in languages. If the public review provided by this Working Group confirms the basic method outlined in the input documents, it is expected that the working group will be able to respond with any needed changes and close in a short period of time. If technical issues arise that indicate a fundamentally different approach must be taken from the one outlined above, it is anticipated that this working group would close, and a new one with an appropriate charter would be considered.

This work is intended to specify an improved means to produce and use stable and unambiguous IDN identifiers.

There are a variety of generally unsolvable problems, notably the problem of characters that are confusingly similar in appearance (often known as the "phishing" problem) that are not specifically part of the scope of the WG although some of the preliminary results of the design team suggest that the improvements contemplated in the specifications might mitigate some of the ways in which the current IDNA specifications can be abused for phishing purposes.

While it is referenced from the original IDNA2003 package, the original Stringprep specification, RFC 3454, is not formally part of the IDNA package and will not be altered by this work.

The work will update or obsolete RFC 3490. It is not expected to continue to use Nameprep (RFC 3491). Nameprep is used by other specifications; determining how (or whether) to update those specifications and, consequently, the long-term status of Nameprep, are not part of this effort. The method for ASCII-compatible ("ACE") encoding of IDNs, "Punycode" (RFC 3492) will not be revised by this WG.

Subject to the more general constraints described above, the WG is permitted to consider changes that are not strictly backwards-

compatible. For any such change that is recommended, it is expected to document the reasons for the change, the characters affected, and possible transition strategies.

The assumptions outlined above are considered critical to the WG constituted by this charter. The WG will stop work and recommend that a new charter be generated if it concludes that any of the following are necessary to meet its goals:

- (i) A change to the "punycode" algorithm or to the ACE approach to encoding names in the DNS.
- (ii) A change to the ACE prefix from "xn--"
- (iii) A change to the basic approach taken in the design team documents (Namely: independence from Unicode version and reduction of dependency on character mapping )

#### Goals and Milestones:

Apr 2008	WG formation
May 2008	Decision on form and structure of the WG document set
Sep 2008	WG Last Call on WG document set
Nov 2008	IETF Last Call on WG document set

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.2 Proposed for Approval

- o DNS Extensions (dnsex) - 2 of 2
- Token: Ralph Droms

#### DNS Extensions Working group (dnsex)

-----

Last Modified: 2009-06-24

Current Status: Active Working Group

#### Chair(s):

Olafur Gudmundsson <ogud@ogud.com>  
Andrew Sullivan <ajs@shinkuro.com>

#### Internet Area Director(s):

Ralph Droms <rdroms@cisco.com>  
Jari Arkko <jari.arkko@piuha.net>

#### Internet Area Advisor:

Ralph Droms <rdroms@cisco.com>

#### Mailing Lists:

General Discussion: [namedroppers@ops.ietf.org](mailto:namedroppers@ops.ietf.org)

To Subscribe: [namedroppers-request@ops.ietf.org](mailto:namedroppers-request@ops.ietf.org)

Archive: <http://ops.ietf.org/lists/namedroppers/>

#### Description of Working Group:

The DNS has a large installed base and repertoire of protocol specifications. The DNSEXT WG group will actively advance DNS protocol-related RFCs on the standards track while thoroughly reviewing further proposed extensions. The scope of the DNSEXT WG is confined to the DNS protocol, particularly changes that affect DNS protocols "on the wire" or the internal processing of DNS data. DNS operations are out of scope for the WG.

The WG will limit itself to review of proposals for new extensions and clarification to the DNS protocol, including DNSSEC. Adoption of new work targeted for standards track will require changes to this charter.

The working group can nevertheless undertake work in following subjects without a charter change:

- DNSSEC and TSIG/TKEY algorithm maintenance

- Hardening DNS protocol and providing guidance to implementors

- Examining transport protocols possibly adding new ones.

- Advancing existing Proposed Standard RFCs to Draft/Full Standard
- Obsoleting RFCs.

Before formal adoption of any such items at least 5 working group participants must publicly state that the item is within charter and is worthwhile item for further study.

The DNSEXT WG will conduct the specified RFC5395 review of RR templates as they are posted, and EDNS0 Option templates if EDNS0-bis updates registration requirements.

The WG will review DNS protocol related work which may originate elsewhere in the IETF, including AD-sponsored submissions or drafts in other working group. The WG does not intend to hold face to face meetings, though may do so if deemed necessary for resolution of a specific issue at hand.

#### Milestones:

Jul 2009 TSIG/MD5 Obsoleting to IESG.

Jul 2009 RSA/SHA256 to IESG.  
Aug 2009 AXFR Clarify to IESG.  
Sep 2009 EDNS0 Ping Option advanced to IESG  
Oct 2009 Resolver side Forgery Resilience advanced to IESG  
Oct 2009 DNSSEC Errata document to IESG  
Nov 2009 GOST DNSKEY and DS support advanced to IESG  
Dec 2009 EDNS0-bis update advanced to IESG  
Feb 2010 DNS existing transport protocol recommendations/  
clarifications  
to IESG  
Jun 2010 DNS <new> transport protocol specification

## 5. IAB News We Can Use

### 6. Management Issues

#### 6.1 Tracking changes to WG charters (Alexey Melnikov)

Spencer Dawkins <spencer@wonderhamster.org> wrote:

I can't think of ANYONE who wouldn't be better off if we published deltas for WG charter revisions when we ask for comments. We can each trivially produce our own deltas, but if you want feedback from the community, providing deltas is likely to get more (and more helpful) feedback.

#### 6.2 Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

IESG:

bcc: IESG Secretary

This is a request for discussion as a management item.

ARIN has contacted us about the status of 128.66.0.0/16.

This block is registered to IANA in their database but is not assigned to

IANA or any official purpose in an RFC or Internet-Draft as far as we can

tell. Nonetheless, it appears to have unofficially been used as a documentation prefix in  $\geq$ Networking Personal Computers with TCP/IP $\leq$ , published by O'Reilly in 1995 and is also listed in lots of sample ACL configs found on the Internet.

We believe that draft-iana-ipv4-examples will (hopefully) become a normative

and authoritative document on IPv4 unicast addresses reserved for use in documentation, allowing 128.66/16 to be returned to the free pool. That being said, it might be a very difficult block to use for many purposes but might well be suitable for some private internetworks or otherwise very controlled networks.

Please let us know if you would prefer this block to be reserved rather than made available for use by (suitably warned) network operators.

Additionally, we intend to return 192.0.128.0/17 to the free pool. It is registered to us but not documented as reserved in an RFC.

Many thanks,

Leo Vegoda  
Michelle Cotton  
IANA

## 7. Working Group News We Can Use

Jari Arkko  
Ron Bonica  
Ross Callon  
Ralph Droms  
Lisa Dusseault  
Lars Eggert  
Pasi Eronen  
Adrian Farrel  
Russ Housley  
Cullen Jennings  
Alexey Melnikov  
Tim Polk  
Dan Romascanu  
Robert Sparks  
Magnus Westerlund

Return-Path: <wwwrun@core3.amsl.com>  
X-Original-To: iesg@ietf.org

Delivered-To: iesg@core3.amsl.com  
Received: by core3.amsl.com (Postfix, from userid 30) id D76B728C322;  
Mon, 24 Aug 2009 15:07:50 -0700 (PDT)  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: The IESG <iesg@ietf.org>  
Subject: UPDATED Agenda and Package for August 27, 2009 Telechat  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
Message-Id: <20090824220750.D76B728C322@core3.amsl.com>  
Date: Mon, 24 Aug 2009 15:07:50 -0700 (PDT)  
Cc: avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Mon, 24 Aug 2009 22:07:50 -0000

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the August 27, 2009 IESG Teleconference

This agenda was generated at 15:00:21 PDT, August 24, 2009  
Web version of this agenda can be found at:  
<http://www.ietf.org/iesg/agenda.html>

## 1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item

- o draft-ietf-simple-xcap-diff-13.txt  
An Extensible Markup Language (XML) Document Format for Indicating A Change  
in XML Configuration Access Protocol (XCAP) Resources (Proposed Standard) -  
1 of 7  
Note: Ben Campbell is taking over as the document Shepherd  
Token: Robert Sparks
- o draft-ietf-ippm-multimetrics-11.txt  
IP Performance Metrics (IPPM) for spatial and multicast (Proposed Standard)  
- 2 of 7  
Note: The document shepherd is Matt Zekauskas (matt@internet2.edu).  
Token: Lars Eggert
- o draft-ietf-ospf-hmac-sha-06.txt  
OSPFv2 HMAC-SHA Cryptographic Authentication (Proposed Standard) - 3 of 7  
Token: Ross Callon
- o draft-ietf-opsawg-syslog-alarm-02.txt  
Alarms in SYSLOG (Proposed Standard) - 4 of 7  
Note: Scott Bradner (sob@harvard.edu) is the document shepherd.  
Token: Dan Romascanu
- o draft-ietf-mext-binding-revocation-10.txt  
Binding Revocation for IPv6 Mobility (Proposed Standard) - 5 of 7  
Note: Julien Laganier (julien.laganier.ietf@gmail.com) is the document shepherd.  
Token: Jari Arkko
- o draft-ietf-vcarddav-webdav-mkcol-06.txt  
Extended MKCOL for WebDAV (Proposed Standard) - 6 of 7  
Note: Julian Reschke <julian.reschke@greenbytes.de> agreed to shepherd the document.  
Token: Alexey Melnikov
- o draft-ietf-ntp-dhcpv6-ntp-opt-04.txt  
Network Time Protocol (NTP) Server Option for DHCPv6 (Proposed Standard) -  
7 of 7  
Note: Brian Haberman (brian@innovationslab.net) is the document shepherd.  
Token: Ralph Droms

### 2.1.2 Returning Item

NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

NONE

### 2.2.2 Returning Item

- o draft-green-secsh-ecc-08.txt

Elliptic-Curve Algorithm Integration in the Secure Shell Transport Layer

(Proposed Standard) - 1 of 2

Note: Jeffrey Hutzelman (jhutz@cmu.edu) is document shepherd.

Token: Tim Polk

- o draft-housley-iesg-rfc3932bis-08.txt

IESG Procedures for Handling of Independent and IRTF Stream Submissions

(BCP) - 2 of 2

Note: There is no document shepherd

Token: Jari Arkko

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.1.1 New Item

- o draft-ietf-behave-nat-behavior-discovery-07.txt

NAT Behavior Discovery Using STUN (Experimental) - 1 of 4

Token: Magnus Westerlund

- o draft-ietf-bmwg-mpls-forwarding-meth-05.txt

MPLS Forwarding Benchmarking Methodology for IP Flows (Informational)

- 2

of 4

Token: Ron Bonica

- o draft-ietf-mext-aero-reqs-04.txt

Network Mobility Route Optimization Requirements for Operational Use in

Aeronautics and Space Exploration Mobile Networks (Informational) -

3

of 4

Note: Document Shepherd is Marcelo Bagnulo Braun  
<marcelo@it.uc3m.es>

Token: Jari Arkko

- o draft-ietf-pwe3-mpls-transport-04.txt

Application of Ethernet Pseudowires to MPLS Transport Networks  
(Informational) - 4 of 4

Note: Matthew Bocci (matthew.bocci@alcatel-lucent.com) is the document

shepherd

Token: Ralph Droms

### 3.1.2 Returning Item

- o draft-ietf-ospf-manet-or-02.txt

Extensions to OSPF to Support Mobile Ad Hoc Networking  
(Experimental)

- 1

of 1

Token: Ross Callon

### 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.2.1 New Item

NONE

#### 3.2.2 Returning Item

NONE

### 3.3 Independent Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

The document shepherd must propose one of these responses in the Data Tracker note and supply complete text in the IESG Note portion of the write-up. The Area Director ballot positions

indicate consensus with the response proposed by the document shepherd.

Other matters may be recorded in comments, and the comments will be passed on to the RFC Editor as community review of the document.

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o SIP Common Log Format (clf) - 1 of 1  
Token: Robert Sparks

#### 4.1.2 Proposed for Approval

- o Multicast Mobility (multimob) - 1 of 1  
Token: Jari Arkko

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

- o Internationalized Domain Names in Applications, Revised (idnabis) -  
1  
of 2  
Token: Lisa Dusseault
- o DNS Extensions (dnstxt) - 2 of 2  
Token: Ralph Droms

## 5. IAB News We can use

## 6. Management Issue

### 6.1 Tracking changes to WG charters (Alexey Melnikov)

6.2 Should ADs have access to passwords to mailing lists for their respective areas? (Alexey Melnikov)

### 6.3 Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

## 7. Working Group News

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INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the August 27, 2009 IESG Teleconference

This package was generated at 15:00:21 PDT, August 24, 2009.

1. Administrivia

1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, August 27, 2009 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, then please reply to this message as follows:

o If you are unable to participate, then please write "Regrets" after your name.

Jari Arkko---Will call in  
Ron Bonica---Will call in  
Ross Callon---Will call in  
Michelle Cotton---Will call in  
Ralph Droms---Will call in  
Lisa Dusseault---Will call in  
Lars Eggert---Will call in  
Pasi Eronen---Will call in  
Marshall Eubanks---Will call in  
Adrian Farrel---Will call in  
Sandy Ginoza---Will call in  
Russ Housley---Will call in  
Cullen Jennings---Will call in  
Olaf Kolkman---Will call in  
John Leslie---Will call in  
Alexey Melnikov---Will call in  
Cindy Morgan---Will call in  
Dave Oran---Will call in  
Ray Pelletier---Regrets  
Tim Polk---Will call in  
Dan Romascanu---Will call in  
Robert Sparks---Will call in  
Amy Vezza---Will call in

Magnus Westerlund---Will call in

-----  
Topic: IESG Teleconference Webex

Date: Every 2 weeks on Thursday, from Thursday, August 27, 2009 to Thursday,

October 22, 2009

Time: 8:30 am, Pacific Time (San Francisco, GMT-07:00)

Meeting Number: 965 501 496

Meeting Password: (This meeting does not require a password.)

\*\*\*Participants outside the U.S./Canada should use either one of the global toll numbers listed below, or use Skype to connect to the U.S. toll-free number. Participants using the global toll numbers will pay their own long distance charges through their own carriers.

\*\*\*Please DO NOT have WebEx connect you to the audio using your computer, or have WebEx call you back directly. For best audio quality, please connect using one of the numbers listed below, or by using Skype.

-----  
To join the online meeting (Now from iPhones too!)  
-----

1. Go to

<https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&RT=MIM0>

2. Enter your name and email address.

3. Enter the meeting password: (This meeting does not require a password.)

4. Click "Join Now".

To view in other time zones or languages, please click the link:

<https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&ORT=MIM0>

-----  
To join the audio conference only  
-----

To join the audio conference, call the number below and enter the access code.

Call-in toll-free number (US/Canada): 866-699-3239

Call-in toll number (US/Canada): 1-408-792-6300

Global call-in numbers:

Australia Toll       +61 (0)2 82239752

Austria Toll         +43 (0)1 79576257

Belgium Toll         +32 (0)22006259

Denmark Toll         +45 38323066

Finland Toll	+358 (0)9 72519058
France Toll	+33 (0)157323123
Germany Toll	+49 (0)69 51709070
Hong Kong Toll	+852 30114556
Ireland Toll	+353 (0)1 6569197
Israel	1-80-9214668
Italy Toll	+39 02 69430409
Japan Toll	+81 (0)3 57675022
Luxembourg Toll	+352 3420808633
Netherlands Toll	+31 (0)20 2008070
New Zealand Toll	+64 (0)9 9200065
Norway Toll	+47 24159525
Singapore Toll	+65 66221061
South Korea Toll	+82 (0)234831042
Spain Toll	+34 912754164
Sweden Toll	+46 (0)8 50163255
Switzerland Toll	+41 (0)44 6545616
Taiwan Toll	+886 (0)2 21920244
UK Toll	+44 (0)20 70267693

Toll-free dialing restrictions:

[http://www.webex.com/pdf/tollfree\\_restrictions.pdf](http://www.webex.com/pdf/tollfree_restrictions.pdf)

Access code: 965 501 496

-----  
To join the audio conference using Skype

- 
1. Bring up your Skype application.
  2. Bring up your browser, and go to the WebEx URL.
  3. Enter your name and email address.
  4. Close the WebEx window prompting for a phone number.
  5. Select the "info" tab at the top of the WebEx browser page.
  6. Go to Skype, and dial the U.S. Toll-Free number from the meeting announcement.
  7. Click on the DialPad tab on the Skype window.
  8. Use the virtual keypad to enter the meeting number followed by #.
  9. Use the virtual keypad to enter your attendee ID followed by #.

-----  
For assistance

- 
1. Go to <https://workgreen.webex.com/workgreen/mc>
  2. On the left navigation bar, click "Support".

You can contact me at:

[cmorgan@amsl.com](mailto:cmorgan@amsl.com)

1-510-492-4085

To add this meeting to your calendar program (for example Microsoft Outlook),

click this link:

[https://workgreen.webex.com/workgreen/j.php?](https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&ICS=MI&LD=1&RD=2&ST=1&SHA2=aF2UQMAp/Ged3Ro2eb6FoRVh1HD6wGJTfJFYQgfeVGU=&RT=MiM0)

[ED=117335722&UID=0&ICS=MI&LD=1&RD=2&](https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&ICS=MI&LD=1&RD=2&ST=1&SHA2=aF2UQMAp/Ged3Ro2eb6FoRVh1HD6wGJTfJFYQgfeVGU=&RT=MiM0)

[ST=1&SHA2=aF2UQMAp/Ged3Ro2eb6FoRVh1HD6wGJTfJFYQgfeVGU=&RT=MiM0](https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&ICS=MI&LD=1&RD=2&ST=1&SHA2=aF2UQMAp/Ged3Ro2eb6FoRVh1HD6wGJTfJFYQgfeVGU=&RT=MiM0)

The playback of UCF (Universal Communications Format) rich media files requires

appropriate players. To view this type of rich media files in the meeting,

please check whether you have the players installed on your computer by going to

<https://workgreen.webex.com/workgreen/systemdiagnosis.php>

## 1.2 Bash the Agenda

## 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*

INTERNET ENGINEERING STEERING GROUP (IESG)

Minutes of the August 13, 2009 IESG Teleconference

Reported by: Cindy Morgan, IETF Secretariat

### ATTENDEES

-----

Jari Arkko (Ericsson) / Internet Area

Ron Bonica (Juniper Networks) / Operations and Management Area

Ross Callon (Juniper Network) / Routing Area

Michelle Cotton (ICANN) / IANA liaison

Lisa Dusseault (Messaging Architects) / Applications Area

Lars Eggert (Nokia) / Transport Area

Pasi Eronen (Nokia) / Security Area

Adrian Farrel (Huawei) / Routing Area

Sandy Ginoza (ISI) / RFC Editor liaison

Russ Housley (Vigil Security, LLC) / IETF Chair, General Area

Olaf Kolkman (NLnet Labs) / IAB Chair

John Leslie / Scribe

Alexey Melnikov (Isode Limited) / Applications Area

Cindy Morgan (AMS) / IETF Secretariat

Dave Oran (Cisco) / IAB Liaison

Tim Polk (NIST) / Security Area  
Dan Romascanu (Avaya) / Operations and Management Area  
Robert Sparks (Tekelec) / Real-time App. and Infra. Area

## REGRETS

-----  
Ralph Droms (Cisco) / Internet Area  
Marshall Eubanks (Multicast Tech) / Scribe  
Cullen Jennings (Cisco) / Real-time App. and Infra. Area  
Ray Pelletier (ISOC) / IAD  
Amy Vezza (AMS) / IETF Secretariat  
Magnus Westerlund (Ericsson) / Transport Area

## MINUTES

### 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the July 16, 2009 Teleconference were approved. The Secretariat will place the minutes in the public archives.

The narrative minutes of the July 16, 2009 Teleconference were Approved. The Secretariat will place the narrative minutes in the public archives.

#### 1.2 Documents Approved since the July 16, 2009 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-dkim-rfc4871-errata-07.txt (Proposed Standard)
- o draft-ietf-l2tpext-circuit-status-extensions-05.txt (Proposed Standard)
- o draft-ietf-monami6-multiplecoa-14.txt (Proposed Standard)
- o draft-ietf-ospf-dynamic-hostname-05.txt (Proposed Standard)
- o draft-ietf-pkix-3281update-05.txt (Proposed Standard)
- o draft-ietf-pwe3-vccv-bfd-07.txt (Proposed Standard)
- o draft-ietf-smime-rfc3852bis-00.txt (Draft Standard)
- o draft-ietf-tcpm-rfc2581bis-07.txt (Draft Standard)

##### 1.2.2 Document Actions

- o draft-housley-aes-key-wrap-with-pad-04.txt (Informational)
- o draft-ietf-nsis-ntlp-20.txt (Experimental)
- o draft-igoe-secsh-aes-gcm-03.txt (Informational)
- o draft-irtf-mobopts-location-privacy-solutions-16.txt (Experimental)
- o draft-sinnreich-sip-tools-07.txt (Informational)

## 1.3 Review of Action Items

### DONE:

- o Ron Bonica to find an author to write a document that explains why additional private address space is not a good idea.

### DELETED:

NONE

### IN PROGRESS:

- o Magnus Westerlund to draft an IESG Statement on BCP 32.
- o Jari Arkko to continue discussion with Henrik Levkowetz about enabling proper filtering to email aliases existing on the tools server.

### NEW:

- o Robert Sparks to talk to Tom Taylor about Christian Groves taking over as MEGACO expert.
- o Lars Eggert to find someone to review the ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP document.
- o Dan Romascanu to draft text for the IESG wiki about how to handle having two chairs from the same company.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-rmt-bb-lct-revised-10.txt  
Layered Coding Transport (LCT) Building Block (Proposed Standard) - 1 of 13  
Token: Magnus Westerlund

The document remains under discussion by the IESG in order to resolve points raised by Robert Sparks.\*

- o draft-ietf-sieve-mime-loop-09.txt  
Sieve Email Filtering: MIME part Tests, Iteration, Extraction, Replacement and Enclosure (Proposed Standard) - 2 of 13  
Token: Lisa Dusseault

Alexey Melnikov formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Tim Polk.\*

- o draft-ietf-mpls-ldp-end-of-lib-03.txt  
LDP End-of-LIB (Proposed Standard) - 3 of 13  
Token: Adrian Farrel

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert and Robert Sparks.\*

- o draft-ietf-netconf-partial-lock-09.txt  
Partial Lock RPC for NETCONF (Proposed Standard) - 4 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen, Adrian Farrel, Alexey Melnikov, Tim Polk and Dan Romascanu.\*

- o draft-ietf-nea-pa-tnc-04.txt  
PA-TNC: A Posture Attribute Protocol (PA) Compatible with TNC (Proposed Standard) - 5 of 13  
Token: Tim Polk

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms, Russ Housley and Alexey Melnikov.\*

- o draft-ietf-nea-pb-tnc-04.txt  
PB-TNC: A Posture Broker Protocol (PB) Compatible with TNC (Proposed Standard) - 6 of 13  
Token: Tim Polk

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms, Russ Housley, Alexey Melnikov, Robert Sparks and Magnus Westerlund.\*

- o draft-ietf-dime-diameter-qos-11.txt  
Diameter Quality of Service Application (Proposed Standard) - 7 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Adrian Farrel and Alexey Melnikov.\*

- o draft-ietf-opsawg-syslog-snmpp-05.txt  
Mapping Simple Network Management Protocol (SNMP) Notifications to SYSLOG Messages (Proposed Standard) - 8 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Alexey Melnikov.\*

- o draft-ietf-opsawg-syslog-msg-mib-05.txt

Definitions of Managed Objects for Mapping SYSLOG Messages to Simple Network Management Protocol (SNMP) Notifications (Proposed Standard) - 9 of 13

Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Jari Arkko, Pasi Eronen, Adrian Farrel and Tim Polk.\*

- o draft-ietf-l3vpn-as4octet-ext-community-03.txt

Four-octet AS Specific BGP Extended Community (Proposed Standard) - 10 of 13

Token: Ross Callon

The document remains under discussion by the IESG in order to resolve points raised by Tim Polk.\*

- o draft-ietf-mppls-tp-requirements-09.txt

MPLS-TP Requirements (Proposed Standard) - 11 of 13

Token: Adrian Farrel

The document was approved by the IESG pending an RFC Editor Note to be prepared by Adrian Farrel. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

- o draft-ietf-l3vpn-v6-ext-communities-02.txt

IPv6 Address Specific BGP Extended Communities Attribute (Proposed Standard) - 12 of 13

Token: Ross Callon

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Tim Polk.\*

- o draft-freed-sieve-in-xml-06.txt

Sieve Email Filtering: Sieves and display directives in XML (Proposed Standard) - 13 of 13

Token: Lisa Dusseault

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Russ Housley.\*

## 2.1.2 Returning Item

NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

- o draft-iana-rfc3330bis-08.txt  
Special Use IPv4 Addresses (BCP) - 1 of 1  
Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert and Adrian Farrel.\*

#### 2.2.2 Returning Item

- o draft-housley-iesg-rfc3932bis-07.txt  
IESG Procedures for Handling of Independent and IRTF Stream Submissions (BCP) - 1 of 2  
Token: Jari Arkko

Russ Housley formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Jari Arkko.\*

- o draft-dusseault-impl-reports-04.txt  
Guidance on Interoperation and Implementation Reports for Advancement to Draft Standard (BCP) - 2 of 2  
Token: Tim Polk

Lisa Dusseault and Robert Sparks formally recused themselves from the discussion. The document was approved by the IESG. The Secretariat will send an individual submission Protocol Action Announcement that includes an RFC Editor Note prepared by Tim Polk.

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item

- o draft-ietf-ipfix-export-per-sctp-stream-03.txt  
IPFIX Export per SCTP Stream (Informational) - 1 of 2  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert, Adrian Farrel and Alexey Melnikov.\*

- o draft-ietf-pwe3-mpls-transport-04.txt  
Application of Ethernet Pseudowires to MPLS Transport Networks (Informational) - 2 of 2  
Token: Ralph Droms

The document was deferred to the next teleconference (August 27, 2009) by Ross Callon.

##### 3.1.2 Returning Item

NONE

### 3.2 Individual Submissions Via AD

#### 3.2.1 New Item

- o draft-iana-special-ipv4-registry-02.txt

IANA IPv4 Special Purpose Address Registry (Informational) - 1 of 1

Token: Russ Housley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Russ Housley. The Secretariat will send an individual submission Document Action Announcement that includes the RFC Editor Note.

#### 3.2.2 Returning Item

- o draft-housley-tls-authz-extns-07.txt

Transport Layer Security (TLS) Authorization Extensions  
(Experimental) - 1 of 1

Token: Tim Polk

Russ Housley formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Alexey Melnikov.\*

### 3.3 Independent Submissions Via IRTF

#### 3.3.1 New Item

NONE

#### 3.3.2 Returning Item

NONE

### 4. Working Group Actions

#### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Multicast Mobility (multimob) - 1 of 1

Token: Jari Arkko

The IESG approved the draft WG charter for IETF review. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (August 27, 2009).

##### 4.1.2 Proposed for Approval

NONE

#### 4.2 WG Rechartering

##### 4.2.1 Under evaluation for IETF Review

- o Internationalized Domain Names in Applications, Revised (idnabis) - 1 of 1  
Token: Lisa Dusseault

The IESG decided to proceed with IETF review of the revised charter. The Secretariat will send a WG Review: Recharter announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG teleconference (August 27, 2009).

#### 4.2.2 Proposed for Approval

- o Mobility for IPv4 (mip4) - 1 of 1  
Token: Jari Arkko

The IESG approved the revised charter for the working group pending edits to the charter to be provided by Jari Arkko. The Secretariat will send a WG Action: RECHARTER announcement.

### 5. IAB News We can use

### 6. Management Issue

#### 6.1 IETF Review of ITU-T MPLS-TP Documents (Adrian Farrel)

This management issue was removed from the agenda prior to the start of the teleconference.

#### 6.2 Issue last call for Language Tag experts as per draft-ietf-ltru-4646bis-23 (Alexey Melnikov)

The management issue was discussed. The IESG approved the text for the Last Call for Language Tag experts as per draft-ietf-ltru-4646bis-23.

#### 6.3 Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

The management issue was discussed.

#### 6.4 Expert for Megaco [IANA #257207] (Michelle Cotton)

The management issue was discussed.

Action Item: Robert Sparks to talk to Tom Taylor about Christian Groves taking over as MEGACO expert.

#### 6.5 Approve expert reviewers for draft-ietf-calsify-rfc2445bis (Lisa Dusseault)

The management issue was discussed. The IESG approved Bernard Desruisseaux and Cyrus Daboo as expert reviewers for draft-ietf-calsify-rfc2445bis.

#### 6.6 Backup Media Type expert reviewer (Alexey Melnikov)

The management issue was discussed. The IESG appointed Mark Baker (distobj@acm.org) as the backup Media type (MIME) Expert Reviewer.

#### 6.7 ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP (Russ Housley)

The management issue was discussed.

Action Item: Lars Eggert to find someone to review the ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP document.

#### 6.8 Two chairs one company (Adrian Farrel)

The management issue was discussed.

Action Item: Dan Romascanu to draft text for the IESG wiki about how to handle having two chairs from the same company.

### 7. Working Group News

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\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG

#### 1. Administrivia

##### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: August 17, 2009

IP o Magnus Westerlund to draft an IESG Statement on BCP 32.

IP o Jari Arkko to continue discussion with Henrik Levkowetz about enabling proper filtering to email aliases existing on the tools server.

IP o Robert Sparks to talk to Tom Taylor about Christian Groves taking

over as MEGACO expert.

IP o Lars Eggert to find someone to review the ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP document.

IP o Dan Romascanu to draft text for the IESG wiki about how to handle having two chairs from the same company.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 7

o draft-ietf-simple-xcap-diff-13.txt

An Extensible Markup Language (XML) Document Format for Indicating A Change

in XML Configuration Access Protocol (XCAP) Resources (Proposed Standard)

Note: Ben Campbell is taking over as the document Shepherd

Token: Robert Sparks

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-simple-xcap-diff-13.txt to Proposed Standard

-----

Evaluation for draft-ietf-simple-xcap-diff-13.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12965&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12965&rfc_flag=0)

Last Call to expire on: 2009-07-22

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]

Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ X ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

simple mailing list <simple@ietf.org>,

simple chair <simple-chairs@tools.ietf.org>

Subject: Protocol Action: 'An Extensible Markup Language (XML) Document Format for Indicating A Change in XML Configuration Access Protocol (XCAP)

Resources' to Proposed Standard

The IESG has approved the following document:

- 'An Extensible Markup Language (XML) Document Format for Indicating A Change in XML Configuration Access Protocol (XCAP) Resources ' <draft-ietf-simple-xcap-diff-13.txt> as a Proposed Standard

This document is the product of the SIP for Instant Messaging and Presence Leveraging Extensions Working Group.

The IESG contact persons are Robert Sparks and Cullen Jennings.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-simple-xcap-diff-13.txt>

## Technical Summary

This specification defines a document format that can be used to indicate that a change has occurred in a document managed by the Extensible Markup Language (XML) Configuration Access Protocol (XCAP). This format indicates the document that has changed and its former and new entity tags. It also can indicate the specific change that was made in the document, using an XML patch format.

## Working Group Summary

This document reflects the consensus of the SIMPLE working group. It is a companion document to a SIP Event package (xcap-diff) defined by the SIP working group, and leverages the xml-patch-ops work from SIMPLE.

## Document Quality

The document has received cross-WG review, including attention from expert SIP-Events reviewers. A media type review was requested Oct 24, 2008.

## Personnel

Ben Campbell is the document shepherd.  
Robert Sparks is the responsible area director.

## RFC Editor Note

Nits to repair identified in IETF Last Call:

- 3 page 6: i.e. -> i.e.,
- 3 pages 7 and 8: endoced -> encoded
- Authors' Addresses page 16: US -> US

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the

Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 2 of 7

o draft-ietf-ippm-multimetrics-11.txt

IP Performance Metrics (IPPM) for spatial and multicast (Proposed Standard)

Note: The document shepherd is Matt Zekauskas (matt@internet2.edu).

Token: Lars Eggert

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ippm-multimetrics-11.txt to Proposed Standard

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Evaluation for draft-ietf-ippm-multimetrics-11.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=14149&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=14149&rfc_flag=0)

Last Call to expire on: 2009-08-19

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ X ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ippm mailing list <ippm@ietf.org>,

ippm chair <ippm-chairs@tools.ietf.org>

Subject: Protocol Action: 'IP Performance Metrics (IPPM) for  
spatial and multicast' to \*\*\* YOU MUST SELECT AN INTENDED  
STATUS

FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

The IESG has approved the following document:

- 'IP Performance Metrics (IPPM) for spatial and multicast '  
<draft-ietf-ippm-multimetrics-09.txt> as \*\*\* YOU MUST SELECT AN  
INTENDED STATUS FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document is the product of the IP Performance Metrics Working  
Group.

The IESG contact persons are Lars Eggert and Magnus Westerlund.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ippm-multimetrics-09.txt>

Technical Summary

The IETF has standardized IP Performance Metrics (IPPM) for measuring end-to-end performance between two points. This memo defines two new categories of metrics that extend the coverage to multiple measurement points. It defines spatial metrics for measuring the performance of segments of a source to destination path, and metrics for measuring the performance between a source and many destinations in multiparty communications (e.g., a multicast tree).

## Working Group Summary

The working group input has improved this document through its revisions, and the document itself has been uncontroversial.

## Document Quality

No known implementations claim to implement this metric. However, other implementers in the group have read the draft.

## Personnel

The document shepherd is Matt Zekauskas (matt@internet2.edu). Lars Eggert (lars.eggert@nokia.com) reviewed it for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 7

- o draft-ietf-ospf-hmac-sha-06.txt  
OSPFv2 HMAC-SHA Cryptographic Authentication (Proposed Standard)  
Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ospf-hmac-sha-06.txt to Proposed Standard

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Evaluation for draft-ietf-ospf-hmac-sha-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=15931&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15931&rfc_flag=0)

Last Call to expire on: 2009-07-20

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ X ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

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Russ Housley:

Discuss [2009-08-24]:

Section 3.2 defines Authentication Algorithm and Authentication Mode. I do not think these are separable in the manner described. I would be much more comfortable with the use of Authentication Algorithm with the choices of HMAC-SHA-256, HMAC-SHA-1, HMAC-SHA-224, HMAC-SHA-384, HMAC-SHA-512, and Keyed-MD5. Please see draft-ietf-saag-crypto-key-table-00.txt. Please consider the other ideas presented in this draft.

The document have the following requirements for the various HMAC algorithms:

- MUST include support for HMAC-SHA-256
- SHOULD include support for HMAC-SHA-1, HMAC-SHA-224, HMAC-SHA-384, and HMAC-SHA-512
- SHOULD also include support for Keyed-MD5

This seems like a lot of SHOULD support algorithms. Perhaps some of them out to be MAY support algorithms.

Some guidance to product planners about the mandatory to implement requirements in the future is highly desirable. I assume that support for Keyed-MD5 will be dropped in the future. Is HMAC-SHA-1 also in this same situation? If so, please say so.

As pointed out in the Gen-ART Review by David Black, the mention of IP Security in the next to last paragraph of the Security Considerations (section 4) should cite an informative reference, RFC 4301 would be appropriate.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ospf mailing list <ospf@ietf.org>,  
ospf chair <ospf-chairs@tools.ietf.org>  
Subject: Protocol Action: 'OSPFv2 HMAC-SHA Cryptographic Authentication'  
to Proposed Standard

The IESG has approved the following document:

- 'OSPFv2 HMAC-SHA Cryptographic Authentication '  
<draft-ietf-ospf-hmac-sha-05.txt> as a Proposed Standard

This document is the product of the Open Shortest Path First IGP Working Group.

The IESG contact persons are Ross Callon and Adrian Farrel.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ospf-hmac-sha-05.txt-05.txt>

## Technical Summary

This document describes how the NIST Secure Hash Standard family of

algorithms can be used with OSPF version 2's built-in cryptographic authentication mechanism. This updates, but does not supercede, the cryptographic authentication mechanism specified in RFC 2328.

#### Working Group Summary

No dissent reported (see PROTO writeup by Acee Lindem). Both WG members and members of the security community have reviewed the document. There was controversy as to how the HMAC-SHA digest would be computed and the subject draft is the agreed upon solution.

#### Document Quality

The document has been updated in response to Gen-Art and Sec-dir reviews. There is at least one prototype implementation.

#### Personnel

Acee Lindem is the Document Shepherd for this document. Ross Callon is the Responsible Area Director.

#### RFC Editor Note

(Insert RFC Editor Note here or remove section)

#### IRTF Note

(Insert IRTF Note here or remove section)

#### IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the

Internet

infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 4 of 7

o draft-ietf-opsawg-syslog-alarm-02.txt

Alarms in SYSLOG (Proposed Standard)

Note: Scott Bradner (sob@harvard.edu) is the document shepherd.

Token: Dan Romascanu

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-opsawg-syslog-alarm-02.txt to Proposed Standard

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Evaluation for draft-ietf-opsawg-syslog-alarm-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17362&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17362&rfc_flag=0)

Last Call to expire on: 2009-08-05

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ X ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Alexey Melnikov:

Comment [2009-08-21]:

### 3. Alarm STRUCTURED-DATA Elements

Support of the "alarm" SD-ID is optional,  
s/optional/OPTIONAL ?

but once supported some of  
the SD-PARAMS are mandatory.

#### 3.6. resourceURI

If the "alarm" SD-ID is supported, the "resourceURI" SD-PARAM SHOULD be supported. This item uniquely identifies the resource under alarm.

The value of this field MUST conform to the URI definition in [RFC1738] and its updates. In the case of an SNMP resource, the

This RFC was obsoleted 3 times. This should be pointing to RFC 3986 instead.

syntax in [RFC4088] MUST be used and "resourceURI" must point to the same resource as alarmActiveResourceId [RFC3877] for this alarm.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Alarms in SYSLOG' to Proposed Standard

The IESG has approved the following document:

- 'Alarms in SYSLOG '  
<draft-ietf-opsawg-syslog-alarm-02.txt> as a Proposed Standard

This document is the product of the Operations and Management Area Working Group.

The IESG contact persons are Dan Romascanu and Ron Bonica.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-opsawg-syslog-alarm-02.txt>

#### Technical Summary

This document describes how to send alarm information in syslog. It includes the mapping of ITU perceived severities onto syslog message fields and a number of alarm-specific SD-PARAM definitions from X.733 and the IETF Alarm MIB.

#### Working Group Summary

The document was revised based on WG feedback & the result meets the issues that were raised.

#### Document Quality

SYSLOG is widely implemented and deployed, and the ITU severities are used by a number of protocols and alarm models including the IETF Alarm MIB.

#### Personnel

Scott Bradner is the Document Shepherd for this document. Dan Romascanu is the Responsible Area Director.

#### RFC Editor Note

Please insert the following edits in the published version:

In section 1,

Old:Alarm related terminology is defined in [RFC3877].

New:Alarm related terminology is defined in [RFC3877].

SD-ID, SD-PARM and other syslog related terms are defined in [RFC5424]

In section 3

Old: the SD-PARAMS are mandatory.

New: the SD-PARAMS are mandatory.

In section 3.6

Old: [RFC1738] and its updates. In the case of an SNMP resource, the

New: [RFC3986] and its updates. In the case of an SNMP resource, the

In section 4

Old: In this example, extended from [Syslog], the VERSION is 1 and the

New: In this example, extended from [RFC5424], the VERSION is 1 and the

In section 6

Old: IANA is requested to register the SD-IDs

New: IANA is requested to register the syslog Structured Data ID Values

In section 8.1

Old: [RFC1738] Berners-Lee, T., Masinter, L., and M. McCahill,  
"Uniform  
Resource Locators (URL)", RFC 1738, December 1994.

New: [RFC3986] Berners-Lee, T., Fielding, R., and Masinter, L.,  
"Uniform Resource Identifier (URI): Generic Syntax", RFC RFC3986,

January  
2005.

#### IRTF Note

(Insert IRTF Note here or remove section)

#### IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 7

- o draft-ietf-mext-binding-revocation-10.txt

Binding Revocation for IPv6 Mobility (Proposed Standard)

Note: Julien Laganier (julien.laganier.ietf@googlemail.com) is the document

shepherd.

Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mext-binding-revocation-10.txt to Proposed

Standard

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Evaluation for draft-ietf-mext-binding-revocation-10.txt can be found at

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acker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\_id&dTag=17614&rfc\_flag=0

Last Call to expire on: 2009-08-26

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ X ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mext mailing list <mext@ietf.org>,

mext chair <mext-chairs@tools.ietf.org>

Subject: Protocol Action: 'Binding Revocation for IPv6 Mobility' to Proposed Standard

The IESG has approved the following document:

- 'Binding Revocation for IPv6 Mobility '  
<draft-ietf-mext-binding-revocation-08.txt> as a Proposed Standard

This document is the product of the Mobility EXTensions for IPv6 Working Group.

The IESG contact persons are Jari Arkko and Ralph Droms.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-mext-binding-revocation-08.txt>

Technical Summary

This document defines a binding revocation mechanism to terminate a mobile node's mobility session and the associated resources. These semantics are generic enough and can be used by mobility entities in the case of Mobile IPv6 and its extensions. This mechanism allows the mobility entity which initiates the revocation procedure to request its corresponding one to terminate either one, multiple or all specified binding cache entries.

Working Group Summary

This is a product of the MEXT WG. The document's progress was coordinated with the NETLMM WG.

Document Quality

The mechanism specified by this document is relied upon by the Evolved Packet System developed by 3GPP and as thus will be implemented by 3GPP vendors.

## Personnel

Document Shepherd is Julien Laganier. The Sponsoring AD is Jari Arkko.

## RFC Editor Note

Change in the Abstract:

OLD:

These

semantics are generic enough and can be used by mobility entities in the case of Mobile IPv6 and its extensions. This mechanism allows the mobility entity which initiates the revocation procedure to request its corresponding one to terminate either one, multiple or all specified binding cache entries.

NEW:

This mechanism can be used both with base Mobile IPv6 and its extensions, such as Proxy Mobile IPv6. The mechanism allows the mobility entity which initiates the revocation procedure to request its peer to terminate either one, multiple or all specified binding cache entries.

## IRTF Note

(Insert IRTF Note here or remove section)

## IESG Note

(Insert IESG Note here or remove section)

## IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

## 2.1 WG Submissions

### 2.1.1 New Item - 6 of 7

- o draft-ietf-vcarddav-webdav-mkcol-06.txt

Extended MKCOL for WebDAV (Proposed Standard)

Note: Julian Reschke <julian.reschke@greenbytes.de> agreed to shepherd the

document.

Token: Alexey Melnikov

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-vcarddav-webdav-mkcol-06.txt to Proposed Standard

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Evaluation for draft-ietf-vcarddav-webdav-mkcol-06.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=17286&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17286&rfc_flag=0)

Last Call to expire on: 2009-08-17

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ X ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

vcarddav mailing list <vcarddav@ietf.org>,

vcarddav chair <vcarddav-chairs@tools.ietf.org>

Subject: Protocol Action: 'Extended MKCOL for WebDAV' to Proposed Standard

The IESG has approved the following document:

- 'Extended MKCOL for WebDAV '  
<draft-ietf-vcarddav-webdav-mkcol-05.txt> as a Proposed Standard

This document is the product of the vCard and CardDAV Working Group.

The IESG contact persons are Alexey Melnikov and Lisa Dusseault.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-vcarddav-webdav-mkcol-05.txt>

Technical Summary

This specification extends the Web Distributed Authoring and Versioning (WebDAV) MKCOL method to allow collections of arbitrary resourcetype to be created and to allow properties to be set at the same time. It avoids minting new MK\* methods (such as MKCALENDAR) for each new type of collection.

Working Group Summary

Process was smooth; the only early disagreement was about the scope of this document (whether it should apply to non-collection resources as well, and whether it should also setting ACLs). In the end, the WG converged on the minimal functionality needed to resolve the issue.

## Document Quality

This protocol extension defined in this document is used by the VCARDDAV protocol (another deliverable of the Working Group), for which several vendors have announced support (for instance, Apple, and Viagenie).

## Personnel

The Document Shepherd for this document was Julian Reschke, and the responsible Area Director is Alexey Melnikov.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 7

- o draft-ietf-ntp-dhcpv6-ntp-opt-04.txt

Network Time Protocol (NTP) Server Option for DHCPv6 (Proposed Standard)

Note: Brian Haberman (brian@innovationslab.net) is the document shepherd.

Token: Ralph Droms

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ntp-dhcpv6-ntp-opt-04.txt to Proposed Standard

-----

Evaluation for draft-ietf-ntp-dhcpv6-ntp-opt-04.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=17276&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17276&rfc_flag=0)

Last Call to expire on: 2009-08-17

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ X ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ X ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Alexey Melnikov:

Discuss [2009-08-21]:

I only have a minor blocking comment on this document:

### 3. NTP Server Option for DHCPv6

[...]

The option itself does not contain any value. Instead, it contains one or several suboptions that carry NTP server or SNTP server configuration information. This option MUST include one, and only one, time source suboption. The currently defined time source suboptions are: NTP\_OPTION\_SRV\_ADDR, NTP\_OPTION\_SRV\_MC\_ADDR, NTP\_OPTION\_SRV\_FQDN. It carries the NTP server or SNTP server location, as a unicast or multicast IPv6 address or as an NTP server or SNTP server FQDN. More time source suboptions may be defined in the future.

The last sentence implies that this needs a new IANA registry, but this registry is not defined in the document.

Comment [2009-08-21]:

### 3.3. NTP Server FQDN Suboption

FQDN: Fully Qualified Domain Name of the NTP server or SNTP server.  
This field MUST be encoded as described in [RFC3315],  
section 8.

I think this should be clearer that IDN names are not allowed here.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ntp mailing list <ntpwg@lists.ntp.isc.org>,  
ntp chair <ntp-chairs@tools.ietf.org>

Subject: Protocol Action: 'Network Time Protocol (NTP) Server Option for  
DHCPv6' to Proposed Standard

The IESG has approved the following document:

- 'Network Time Protocol (NTP) Server Option for DHCPv6 '  
<draft-ietf-ntp-dhcpv6-ntp-opt-04.txt> as a Proposed Standard

This document is the product of the Network Time Protocol Working Group.

The IESG contact persons are Ralph Droms and Jari Arkko.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ntp-dhcpv6-ntp-opt-04.txt>

### Technical Summary

This document defines a DHCPv6 option and associated suboptions  
to provide Network Time Protocol version 4 or greater configuration  
information to DHCPv6 hosts.

### Working Group Summary

This document has received in-depth review from both the NTP

and DHC working groups and has strong support for advancement.

## Document Quality

## Personnel

Brian Haberman <brian@innovationslab.net> is the document shepherd for this document.

Ralph Droms <rdroms@cisco.com> is the responsible AD.

## RFC Editor Note

There are two references that are not cited in the text. These references can be removed:

OLD:

[RFC4075] Kalusivalingam, V., "Simple Network Time Protocol (SNTP) Configuration Option for DHCPv6", RFC 4075, May 2005.

[RFC4330] Mills, D., "Simple Network Time Protocol (SNTP) Version 4 for IPv4, IPv6 and OSI", RFC 4330, January 2006.

NEW <no new text>:

## IRTF Note

(Insert IRTF Note here or remove section)

## IESG Note

(Insert IESG Note here or remove section)

## IANA Note

(Insert IANA Note here or remove section)

### 2.1.2 Returning Item

NONE

### 2.2.1 New Item

NONE

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

## 2.2 Individual Submissions

### 2.2.2 Returning Item - 1 of 2

#### o draft-green-secsh-ecc-08.txt

Elliptic-Curve Algorithm Integration in the Secure Shell Transport Layer

(Proposed Standard)

Note: Jeffrey Hutzelman (jhutz@cmu.edu) is document shepherd.

Token: Tim Polk

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-green-secsh-ecc-08.txt to Proposed Standard

-----

Evaluation for draft-green-secsh-ecc-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=15220&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15220&rfc_flag=0)

Last Call to expire on: 2009-08-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]

Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ X ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Elliptic-Curve Algorithm Integration  
in the Secure Shell Transport Layer' to Informational RFC

The IESG has approved the following document:

- 'Elliptic-Curve Algorithm Integration in the Secure Shell Transport Layer '  
<draft-green-secsh-ecc-02.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Tim Polk.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-green-secsh-ecc-02.txt>

#### Technical Summary

This document describes algorithms based on Elliptic Curve Cryptography (ECC) for use within the Secure Shell (SSH) transport protocol. In particular, it specifies: Elliptic Curve Diffie-Hellman (ECDH) key agreement, Elliptic Curve Menezes-Qu-Vanstone (ECMQV) key agreement and Elliptic Curve Digital Signature Algorithm (ECDSA) for

use in the SSH Transport Layer protocol.

### Working Group Summary

This document is the result an individual submission by members of the community interested in seeing support for use of ECC algorithms in the SSH protocol. While there is no active working group behind this work, it was extensively reviewed and discussed on the ietf-ssh mailing list, which was the home of the Secure Shell Working Group before that group concluded and still counts many of the participants of that working group among its members.

### Document Quality

While there are no existing implementations of this protocol, there has been indication of interest from SSH implementors.

### Personnel

The document shepherd for this document is Jeffrey Hutzelman  
The responsible Area Director is Tim Polk.

### RFC Editor Note

(Insert RFC Editor Note here or remove section)

### IESG Note

(Insert IESG Note here or remove section)

### IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

## 2.2.2 Returning Item - 2 of 2

o draft-housley-iesg-rfc3932bis-08.txt

IESG Procedures for Handling of Independent and IRTF Stream  
Submissions  
(BCP)

Note: There is no document shepherd

Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-housley-iesg-rfc3932bis-08.txt to BCP

-----

Evaluation for draft-housley-iesg-rfc3932bis-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17615&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17615&rfc_flag=0)

Last Call to expire on: 2009-06-29

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ X ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ X ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ X ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ X ]	[ ]	[ ]
Adrian Farrel	[ ]	[ X ]	[ . ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ R ]
Cullen Jennings	[ ]	[ X ]	[ . ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ X ]	[ . ]	[ ]
Dan Romascanu	[ ]	[ X ]	[ . ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ X ]	[ ]	[ ]
Chris Newman	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ X ]	[ ]	[ ]
David Ward	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Jari Arkko:

Discuss [2009-08-13]:

Holding a Discuss until -08 is posted and the IESG (including Cullen) has had a chance to look at the document.

Ross Callon:

Comment [2008-12-04]:

I agree with the DISCUSS comments by Cullen and Dan, but will let them hold the DISCUSS votes.

Adrian Farrel:

Comment [2009-04-23]:

A bunch of comments. The RFC Editor might catch some of these, but not all.

Check carefully because some of them have a subtle effect on the meaning.

#### 1. Abstract

The Abstract contains an unnecessary note to the RFC Editor

{{{ RFC Editor: Please change "RFC XXXX" to the number assigned to this document prior to publication. }}}}

There is no reference to "RFC XXXX" in the document.

#### 2. Section 1

Documents published in streams other than the IETF Stream may not s/may/might/

#### 3. Section 1

Once these procedures are fully adopted, the IESG will continue to be responsible only for checking for conflicts between the work of the s/will continue to be responsible only/will be responsible only/

#### 4. Section 2

s/IRTF stream/IRTF Stream/

5. Section 3

s/publications as RFC/publication as RFCs/

6. Section 3

s/types of conclusions/types of conclusion/

7. Section 3

s/for <X>/for WG <X>/

8. General

Would be nice to consistent about "Independent Stream" or "Independent Submission Stream"

Dan Romascanu:

Comment [2008-12-04]:

The current combination of rfc3932bis and 'IAB Headers and Boilerplate' leaves

out an important message that was included in the IESG Note.

Let us take the text for IRTF stream documents. The text in draft-iab-streams-headers-boilerplates-04.txt

- > IRTF Stream: "This document is a product of the Internet Research Task Force (IRTF). The IRTF publishes the results of Internet-related research and development activities. These results might not be suitable for deployment. This document has been approved for publication by the IRSG. It is not a product of the IETF and is therefore not a candidate for any level of Internet Standard; see section Section 2 of RFCXXXX."

is much weaker IMO than the text in the RFC 3932 IESG note:

- > This RFC is not a candidate for any level of Internet Standard. The IETF disclaims any knowledge of the fitness of this RFC for any purpose and in particular notes that the decision to publish is not based on IETF review for such things as security, congestion control, or inappropriate interaction with deployed protocols.

Missing to say 'is not based on IETF review' is essential IMO.

I sent a note to the IAB, as the fix should be in the IAB document.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'IESG Procedures for Handling of  
Independent and IRTF Stream Submissions' to BCP

The IESG has approved the following document:

- 'IESG Procedures for Handling of Independent and IRTF Stream  
Submissions '  
<draft-housley-iesg-rfc3932bis-06.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Jari Arkko.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-housley-iesg-rfc3932bis-06.txt>

#### Technical Summary

This document is an update of the RFC 3932 rules about how IESG deals with independent submissions through the RFC editor. The update has become necessary due to the introduction of the IRTF document stream, and updates to the formatting of new RFCs, which make it clearer what their source is.

#### Working Group Summary

This is not a WG output.

#### Document Quality

This is a clarification of an existing BCP.

This document, in conjunction with its two companion documents, clarifies the IESG process for handling documents submitted for RFC publication on the Independent and IRTF streams. The removal of the IESG Note that is required by RFC 3932 is most welcome by authors of documents in these two RFC streams.

## Personnel

Jari Arkko has reviewed this specification for the IESG.

## RFC Editor Note

Please publish at the same time as these:

- draft-irtf-rfcs
- draft-iab-streams-headers-boilerplates

## IESG Note

(Insert IESG Note here or remove section)

## IANA Note

(Insert IANA Note here or remove section)

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.1 New Item - 1 of 4

- o draft-ietf-behave-nat-behavior-discovery-07.txt  
NAT Behavior Discovery Using STUN (Experimental)  
Token: Magnus Westerlund

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-behave-nat-behavior-discovery-07.txt to  
Experimental RFC

-----

Evaluation for draft-ietf-behave-nat-behavior-discovery-07.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=15728&rft\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15728&rft_flag=0)

Last Call to expire on: 2009-03-31

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ X ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ X ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Lisa Dusseault:

Discuss [2009-08-10]:

This is a good document & I have a few comments. Most of the comments are minor; the question about discovering a STUN server with this new usage supported is probably the biggest issue. But it's probably not a blocking issue, so I plan to clear this DISCUSS and let the authors handle this input as they will, after getting a chance to discuss on the telechat.

## Section 1.

Got really confused reading this paragraph for a number of reasons:  
agency,  
context, and obsolete references.

The applications of this STUN usage are very different than the original use of RFC3489 [RFC3489], which was intended for static determination of device behavior. The NAT Behavior Discovery STUN usage makes an explicit statement that it is not, and cannot be, correct 100% of the time, but is still very useful. More generally, one of the important differences between 3489 and ICE is that ICE ensures there is always a fallback to TURN, and thus avoids the problem experienced by 3489-based applications that tried to determine in advance whether they would need a relay and what their peer reflexive address will be, which are both impossible. This STUN usage requires an application using it to have a fallback, but unlike ICE's focus on the problems inherent in VoIP sessions, doesn't assume that it will only be used to establish a connection between a single pair of machines, and so alternative fallback mechanisms may make sense. For example, in a P2P application it may be possible to simply switch out of the role where such connections need to be established or to select an alternative indirect route if the peer discovers that, in practice, 10% of its connection attempts fail.

If I was able to interpret correctly, then this restatement *\*ought\** to be correct and provide a little more context. In addition, it reflects that STUN is now RFC5389, which probably needs to be fixed elsewhere too. "This STUN usage" is also pretty hard to qualify when other STUN usages are also being discussed ("the STUN usage defined in this specification" is clear but long), so it would be good to give this STUN usage a name...?

The applications of this STUN usage differ from the original use of STUN (originally [RFC3489], now [RFC5389]). This specification acknowledges that the information gathered in this usage is not, and cannot be,

correct 100% of the time, whereas STUN focused only on getting information that could be known to be correct and static.

This specification can also be compared to ICE. ICE avoids the problem experienced by applications using STUN to determine in advance whether they would need a relay and what their peer reflexive address will be, which are both impossible [are these really individually impossible or just impossible to do together or impossible to do in advance?]. ICE avoids this problem by falling back to TURN, another usage of STUN. ICE focuses on problems inherent in VoIP sessions, which require a connection between a single pair of machines. The STUN usage defined in this specification requires an application using it to have a fallback, but doesn't assume that it will only be used to establish a connection between a single pair of machines, and so alternative fallback mechanisms may make sense. For example, in a P2P application it may be possible to simply switch out of the role where such connections need to be established or to select an alternative indirect route if the peer discovers that, in practice, 10% of its connection attempts fail.

## Section 2.

The acronym expansion for STUN has changed, it's Session Traversal Utilities, not Simple traversal Under.

"NAT/FW" is not defined... I assume this is "NAT/Firewall"?

Section 3.6 "3.6. Detecting Generic ALGs" --> define or expand ALG acronym

## Section 5.1

The first phrase in this section implies that the client could

configured  
with  
a transport address to a STUN server supporting this usage, but how  
would  
it  
know? Couldn't it be configured with a transport address to a STUN  
server that  
does *\*not\** support the usage? Is there a way of testing support for  
this  
usage  
that can't be conflated with a NAT failure?

### Section 7.3

"It is useful for detecting twice NAT configurations." --> Should this  
be  
"double NAT configurations"?

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
behave mailing list <behave@ietf.org>,  
behave chair <behave-chairs@tools.ietf.org>  
Subject: Document Action: 'NAT Behavior Discovery Using STUN' to  
Experimental RFC

The IESG has approved the following document:

- 'NAT Behavior Discovery Using STUN '  
<draft-ietf-behave-nat-behavior-discovery-06.txt> as an Experimental  
RFC

This document is the product of the Behavior Engineering for Hindrance  
Avoidance Working Group.

The IESG contact persons are Magnus Westerlund and Lars Eggert.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-behave-nat-behavior->

discovery-06.txt  
Technical Summary

This specification defines an experimental usage of the Simple Traversal Underneath Network Address Translators (NAT) (STUN) Protocol that discovers the presence and current behaviour of NATs and firewalls between the STUN client and the STUN server.

Working Group Summary

The original intent was to publish this specification as Informational, but the working group decided Experimental would be a better track in order to more clearly convey the risky nature of attempting to determine a NAT's behavior.

Document Quality

Two vendors are known to implement it. The IETF last call drew a number of comments about its applicability and a number of details. My review of them looks like they have been resolved in a reasonable way.

Personnel

Dan Wing, [dwing@cisco.com](mailto:dwing@cisco.com) is the WG shepherd and Magnus Westerlund, [magnus.westerlund@ericsson.com](mailto:magnus.westerlund@ericsson.com) the responsible AD.

RFC Editor Note

(Insert RFC Editor Note here or remove section)

IRTF Note

(Insert IRTF Note here or remove section)

IESG Note

(Insert IESG Note here or remove section)

IANA Note

(Insert IANA Note here or remove section)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 2 of 4

o draft-ietf-bmwg-mpls-forwarding-meth-05.txt  
MPLS Forwarding Benchmarking Methodology for IP Flows  
(Informational)

Token: Ron Bonica

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-bmwg-mpls-forwarding-meth-05.txt to  
Informational RFC

-----

Evaluation for draft-ietf-bmwg-mpls-forwarding-meth-05.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=17701&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17701&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ X ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]

Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
 To: IETF-Announce <ietf-announce@ietf.org>  
 Cc: Internet Architecture Board <iab@iab.org>,  
 RFC Editor <rfc-editor@rfc-editor.org>,  
 bmwg mailing list <bmwg@ietf.org>,  
 bmwg chair <bmwg-chairs@tools.ietf.org>  
 Subject: Document Action: 'MPLS Forwarding Benchmarking Methodology for IP  
 Flows' to Informational RFC

The IESG has approved the following document:

- 'MPLS Forwarding Benchmarking Methodology for IP Flows '  
 <draft-ietf-bmwg-mpls-forwarding-meth-05.txt> as an Informational RFC

This document is the product of the Benchmarking Methodology Working Group.

The IESG contact persons are Ron Bonica and Dan Romascanu.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-bmwg-mpls-forwarding-meth-05.txt>

(1.a) Who is the Document Shepherd for this document? Has the Document Shepherd personally reviewed this version of the document and, in particular, does he or she believe this version is ready for forwarding to the IESG for publication?

Al Morton, chair of BMWG, has personally reviewed the document and will be the document shepherd. The document is ready for publication.

(1.b) Has the document had adequate review both from key WG members and from key non-WG members? Does the Document Shepherd have any concerns about the depth or breadth of the reviews that have been performed?

Yes, this document has been refined in terms of its coverage and detail over the last 3 years, with good working group and external reviewer comments

and addressed. Since becoming a chartered working group item last year, the draft has seen two WGLCs with many additional & constructive comments.

The 2nd WGLC was cross-posted to the mpls WG list, and there was some feedback.

<http://www.ietf.org/mail-archive/web/mps/current/msg02827.html>

The last WGLC went quietly, indicating that the BMWG is now satisfied with the document.

(1.c) Does the Document Shepherd have concerns that the document needs more review from a particular or broader perspective, e.g., security, operational complexity, someone familiar with AAA, internationalization or XML?

No, this methodology appears to satisfy its stated scope, and has benefited

from the extensive review including those listed in the Acknowledgements section, and from a recently added co-author.

(1.d) Does the Document Shepherd have any specific concerns or issues with this document that the Responsible Area Director and/or the IESG should be aware of? For example, perhaps he or she is uncomfortable with certain parts of the document, or has concerns whether there really is a need for it. In any event, if the WG has discussed those issues and has indicated that it still wishes to advance the document, detail those concerns here. Has an IPR disclosure related to this document been filed? If so, please include a reference to the disclosure and summarize the WG discussion and conclusion on this issue.

No specific issues. Development of this draft has been smooth.  
No known IPR.

(1.e) How solid is the WG consensus behind this document? Does it represent the strong concurrence of a few individuals, with others being silent, or does the WG as a whole understand and agree with it?

There were some minor comments addressed as part of the third WGLC (mine),

but otherwise the WG as a whole understands this draft and the need for

it.

WG commentary has been sufficiently active.

(1.f) Has anyone threatened an appeal or otherwise indicated extreme discontent? If so, please summarize the areas of conflict in separate email messages to the Responsible Area Director. (It should be in a separate email because this questionnaire is entered into the ID Tracker.)

No.

(1.g) Has the Document Shepherd personally verified that the document satisfies all ID nits? (See <http://www.ietf.org/ID-Checklist.html> and <http://tools.ietf.org/tools/idnits/>). Boilerplate checks are not enough; this check needs to be thorough. Has the document met all formal review criteria it needs to, such as the MIB Doctor, media type and URI type reviews?

The draft passes all nits checks, except for one false alarm:

== There are 1 instance of lines with non-RFC3330-compliant IPv4 addresses

in the document. If these are example addresses, they should be changed.

which seems to be related to a section number reference on separate lines:

port(s) Bp. The frame may contain either an IP packet or an MPLS packet depending on the testcase need, as described in the Section 4.1.4.3. Furthermore, the IP packet must be either an IPv4 or IPv6  
^^^^^^

(1.h) Has the document split its references into normative and informative? Are there normative references to documents that are not ready for advancement or are otherwise in an unclear state? If such normative references exist, what is the strategy for their completion? Are there normative references that are downward references, as described in [RFC3967]? If so, list these downward references to support the Area Director in the Last Call procedure for them [RFC3967].

No downward references.

(1.i) Has the Document Shepherd verified that the document IANA consideration section exists and is consistent with the body of the document? If the document specifies protocol extensions, are reservations requested in appropriate IANA registries? Are the IANA registries clearly identified? If the document creates a new registry, does it define the proposed initial contents of the registry and an allocation procedure for future registrations? Does it suggest a

reasonable name for the new registry? See [RFC5226]. If the document describes an Expert Review process has Shepherd conferred with the Responsible Area Director so that the IESG can appoint the needed Expert during the IESG Evaluation?  
Yes.

(1.j) Has the Document Shepherd verified that sections of the document that are written in a formal language, such as XML code, BNF rules, MIB definitions, etc., validate correctly in an automated checker?  
Not Applicable.

(1.k) The IESG approval announcement includes a Document Announcement Write-Up. Please provide such a Document Announcement Write-Up? Recent examples can be found in the "Action" announcements for approved documents. The approval announcement contains the following sections:

#### Technical Summary

Over the past several years, there has been an increase in the use of MPLS as a forwarding architecture in new and existing network designs. However, there is no standard method defined to compare and contrast the foundational MPLS packet forwarding capabilities of network devices. This document specifies a methodology using common criteria (such as throughput, latency, frame loss rate, system recovery, reset etc.) to evaluate MPLS forwarding of any implementation.

The purpose of this document is to describe a methodology specific to the benchmarking of MPLS forwarding devices. The methods described are limited in scope to the most common MPLS packet forwarding scenarios and corresponding performance measurements in a laboratory setting. This document focuses on the MPLS label stack having only one entry, as it is the fundamental of MPLS forwarding.

#### Working Group Summary

Development of this memo was smooth.

The memo has been refined in terms of its coverage and detail over the last 3 years, with good working group and external reviewer comments addressed.

#### Document Quality

The authors are not aware of fully functional implementation of this method, although a number of test tool vendors are considering it, with variable levels of commitment. Many WG members have thoroughly reviewed

this

memo. Reviewers of previous versions include: Carlos Pignataro, Rodney Dunn, Scott Bradner, and Bill Cerveney.

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.1.1 New Item - 3 of 4

- o draft-ietf-mext-aero-reqs-04.txt

Network Mobility Route Optimization Requirements for Operational Use  
in

Aeronautics and Space Exploration Mobile Networks (Informational)

Note: Document Shepherd is Marcelo Bagnulo Braun

<marcelo@it.uc3m.es>

Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-mext-aero-reqs-04.txt to Informational RFC

-----

Evaluation for draft-ietf-mext-aero-reqs-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=16799&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16799&rfc_flag=0)

Last Call to expire on: 2009-08-19

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Jari Arkko	[ X ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mext mailing list <mext@ietf.org>,

mext chair <mext-chairs@tools.ietf.org>

Subject: Document Action: 'Network Mobility Route Optimization

Requirements for Operational Use in Aeronautics and Space Exploration

Mobile Networks' to Informational RFC

The IESG has approved the following document:

- 'Network Mobility Route Optimization Requirements for Operational Use in Aeronautics and Space Exploration Mobile Networks '  
<draft-ietf-mext-aero-reqs-04.txt> as an Informational RFC

This document is the product of the Mobility EXTensions for IPv6 Working Group.

The IESG contact persons are Jari Arkko and Ralph Droms.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-mext-aero-reqs-04.txt>

## Technical Summary

This document describes the requirements and desired properties of Network Mobility (NEMO) Route Optimization techniques for use in global networked communications systems for aeronautics and space exploration.

## Working Group Summary

This is product of the MEXT WG.

## Document Quality

Substantial input to these requirements was given by aeronautical communications experts outside the IETF, including members of the International Civil Aviation Organization (ICAO) and other aeronautical communications standards bodies.

## Personnel

The Document Shepherd is Marcelo Braun, and the responsible Area Director is Jari Arkko.

## RFC Editor Note

Please change the following:

OLD:

(e.g. the Gatelink system)

NEW:

(e.g. local networks available while on a gate)

OLD:

(currently on the surface when connected to a wired Gatelink system)

NEW:

(currently on the surface when connected to a wired link at a gate)

OLD:

(link technologies and acronyms are briefly defined in Appendix A.

NEW:

(link technologies and acronyms are briefly defined in Appendix A).

IRTF Note

(Insert IRTF Note here or remove section)

IESG Note

(Insert IESG Note here or remove section)

IANA Note

(Insert IANA Note here or remove section)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers?"

If

not, what changes would make it so?"

##### 3.1.1 New Item - 4 of 4

- o draft-ietf-pwe3-mpls-transport-04.txt

Application of Ethernet Pseudowires to MPLS Transport Networks  
(Informational)

Note: Matthew Bocci ([matthew.bocci@alcatel-lucent.com](mailto:matthew.bocci@alcatel-lucent.com)) is the document

shepherd

Token: Ralph Droms

To: Internet Engineering Steering Group <[iesg@ietf.org](mailto:iesg@ietf.org)>

From: IESG Secretary <[iesg-secretary@ietf.org](mailto:iesg-secretary@ietf.org)>

Reply-To: IESG Secretary <[iesg-secretary@ietf.org](mailto:iesg-secretary@ietf.org)>

Subject: Evaluation: draft-ietf-pwe3-mpls-transport-04.txt to  
Informational RFC

-----

Evaluation for draft-ietf-pwe3-mpls-transport-04.txt can be found at  
<https://datatracker.ietf.org/cgi-bin/idtracker.cgi?>

command=view\_id&dTag=16038&rfc\_flag=0

Last Call to expire on: 2009-07-22

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ X ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ X ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ X ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ X ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Adrian Farrel:

Discuss [2009-08-12]:

Discuss-Discuss

Despite the fact that I \*hate\* the concept of a Discuss-Discuss, I want to have a discussion on the telechat with the rest of the IESG before we proceed with this draft. I hope to remove this part of the Discuss during the call without the need for involvement of the document shepherd or the authors.

The MPLS-TP work is pretty sensitive both from inter-SDO politics and for commercial reasons. This draft dates back to a time before the current cooperative agreement between the IETF and ITU-T to work jointly on MPLS-TP. The draft was originally conceived to demonstrate that (some of) the requirements of MPLS-TP could be met using existing MPLS and pseudowire tools.

It has been last called on the PWE3 WG mailing list, and was also last called to the MPLS WG list, but it did not form part of the MPLS-TP effort.

I want to be sure that this work is necessary and politically advisable, as well not conflicting with the MPLS-TP work. This is notwithstanding the text in Section 1 that says:

It is recognised that  
it is possible to design a more efficient method of satisfying the requirements, and the IETF anticipates that improved solutions will be proposed in the future.

- - - -

Discuss

Section 1 references requirements 30 and 31 in I-D.ietf-mpls-tp-requirements. The requirements numbering must have changed since this was written. You probably mean 31 and 32.

Russ Housley:

Comment [2009-08-13]:

The Gen-ART Review by Gonzalo Camarillo on 20-Jul-2009 includes a few things that should be considered:

All acronyms need to be expanded on their first use. This includes the title and the abstract of the draft.

Generally, abstracts should not contain references. I suggest removing the reference to RFC 4448 from it.

Dan Romascanu:

Discuss [2009-08-12]:

This is a DISCUSS-DISCUSS which I plan to clear after or during the telechat after making sure that the IESG debated all aspects of the decision to approve this RFC as Informational. Sections 2, 3 and 4 seem to include normative text, requirements, and even more - usage of control words, provisioning methods, etc.

I understand that requirements in PWE3 are being described by Informational RFCs in PWE3 but in this case we are discussing about using PWE3 transport for MPLS-TP. Are we not going to be in the situation that these documents need to be PS or BCP?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
pwe3 mailing list <pwe3@ietf.org>,  
pwe3 chair <pwe3-chairs@tools.ietf.org>  
Subject: Document Action: 'Application of Ethernet Pseudowires to MPLS Transport Networks' to Informational RFC

The IESG has approved the following document:

- 'Application of Ethernet Pseudowires to MPLS Transport Networks '  
<draft-ietf-pwe3-mpls-transport-04.txt> as an Informational RFC

This document is the product of the Pseudowire Emulation Edge to Edge Working Group.

The IESG contact persons are Ralph Droms and Jari Arkko.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-pwe3-mpls-transport-04.txt>

#### Technical Summary

A requirement has been identified by the operator community for the transparent carriage of the MPLS(-TP) network of one party over the MPLS(-TP) network of another party. This document describes a method of satisfying this need using the existing PWE3 Ethernet pseudowire standard RFC4448.

#### Working Group Summary

The draft originated as a response to the work that was then going on in the ITU to apply MPLS to transport networks. It reflected a desire to illustrate how IETF defined pseudowires could be applied to the problem of packet transport. Since that time, the development of MPLS-TP has proceeded in the IETF in close cooperation with the ITU-T. This draft addresses a sub-set of the MPLS-TP requirements using a limited set of existing MPLS and Pseudowire functionality, as defined in the IETF, but is not intended as a comprehensive standard for MPLS-TP per-se. The draft was widely reviewed by participants in the IETF MPLS-TP effort, as well as the MPLS and PWE3 WGs.

#### Document Quality

There are no concerns about protocol quality. There are understood to be implementations of this protocol.

#### Personnel

Who is the Document Shepherd for this document? Who is the Responsible Area Director? If the document requires IANA experts(s), insert 'The IANA Expert(s) for the registries in this document are <TO BE ADDED BY THE AD>.'

#### RFC Editor Note

(Insert RFC Editor Note here or remove section)

#### IRTF Note

(Insert IRTF Note here or remove section)

#### IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

#### 3.1.2 Returning Item - 1 of 1

o draft-ietf-ospf-manet-or-02.txt

Extensions to OSPF to Support Mobile Ad Hoc Networking  
(Experimental)

Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ospf-manet-or-02.txt to Experimental RFC  
-----

Evaluation for draft-ietf-ospf-manet-or-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=16923&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16923&rfc_flag=0)

Last Call to expire on: 2008-12-24

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ X ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ X ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ X ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
Cullen Jennings	[ ]	[ X ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ X ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]

Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ X ]	[ ]	[ ]

Chris Newman	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ X ]	[ ]	[ ]
David Ward	[ X ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Jari Arkko:

Comment [2009-01-15]:

- > Note that the active overlapping relays selection algorithm is
- > implementation specific, and the above is simply a suggested
- > algorithm. However, the behavior of the overlapping relays MUST
- > follow that specified in the "Flooding and Relay Decisions" Section.
- > Moreover, the same selection algorithm MUST be used by all nodes
- > within an area.

This should be raised earlier in the document. As written, the spec does not provide an interoperable solution. This may not be required for an experimental specification, but at the very least the reader should know about this after reading the introduction.

> attached to the broadcast network. Such designated routers must be

typo

Thomas Narten's quick review reaction was this:

When you do incremental updates, there are all sorts of failure edge cases. Its

a lot like how to correctly do a sliding window protocol.

Just skimming the document, its not presented in a way that explains the basic idea behind the details. For correctness, you need equivalent of 3 way handshake to be sure both sides are synchronized w.r.t. shared state.

Ross Callon:

Comment [2009-01-15]:

I think that it is very unfortunate that we can't agree on one single

standards

track approach for supporting MANET networks with OSPF. However, I understand

the difficulty here, and under the circumstances probably the least bad approach is to progress all three as experimental, and then hope to sort out

differences with the aid of operational experience.

Russ Housley:

Discuss [2009-01-12]:

Ben Campbell provided significant comments in a Gen-ART Review that was posted on 2008-12-23. There has been no response to this review. Please respond to these Last Call comments.

The Gen-ART review can be found at:

<http://www.softarmor.com/rai/temp-gen-art/draft-ietf-ospf-manet-or-01-campbell.txt>

Tim Polk:

Discuss [2009-01-15]:

Ran Canetti provided significant comments in a secdir review that was posted on 2 January 2009. There has been no response to this review. Please respond to these Last Call comments.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ospf mailing list <ospf@ietf.org>,

ospf chair <ospf-chairs@tools.ietf.org>

Subject: Document Action: 'Extensions to OSPF to Support Mobile  
Ad Hoc Networking' to Experimental RFC

The IESG has approved the following document:

- 'Extensions to OSPF to Support Mobile Ad Hoc Networking '  
<draft-ietf-ospf-manet-or-01.txt> as an Experimental RFC

This document is the product of the Open Shortest Path First IGP Working Group.

The IESG contact persons are David Ward and Ross Callon.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ospf-manet-or-01.txt>

## Technical Summary

This document describes extensions to OSPF to support mobile ad hoc networks (MANETs). The extension, called OSPF-OR, includes a mechanism for link-local signaling, a OSPF-MANET interface, a simple technique to reduce the size of Hello packets by only transmitting incremental state changes, and a method for optimized flooding of routing updates.

## Working Group Summary

The OSPF WG was unable to reach consensus on a single MANET OSPF approach and agreed to go forward with the three competing approaches as experimental RFCs.

## Document Quality

Passed idnits. The document has been updated in response to Gen-Art and Sec-Dir comments. The protocol in this document has been simulated, and there are at least two implementations (see PROTO writeup by Acee Lindem in the I.D. Tracker).

## Personnel

Dave Ward was the original responsible AD. Ross Callon is the current responsible AD. Acee Lindem is the Document Shepherd.

### 3.2.1 New Item

NONE

### 3.2.2 Returning Item

NONE

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o SIP Common Log Format (clf) - 1 of 1  
Token: Robert Sparks

SIP Common Log Format (clf)

-----

Current Status: Proposed Working Group

Last Modified: 2009-08-24

Chair(s):

TBD

Real-time Applications and Infrastructure Area Director(s):

Robert Sparks <rjsparks@nostrum.com>

Cullen Jennings <fluffy@cisco.com>

Real-time Applications and Infrastructure Area Advisor:

TBD

Mailing Lists:

TBD

Description of Working Group:

The SIP Common Log Format (CLF) working group is chartered to define a standard logging format for systems processing SIP messages.

Well-known web servers such as Apache and web proxies like Squid support event logging using a common log format. The logs produced using these de-facto standard formats are invaluable to system administrators for trouble-shooting a server and tool writers to craft tools that mine the log files to produce reports and trends and to search for a certain message or messages, a transaction or a related set of transactions. Furthermore, these log records

can also be used to train anomaly detection systems and feed events into a security event management system.

The Session Initiation Protocol does not have a common log format. Diverse elements provide distinct log formats making it complex to produce tools to analyze them.

The CLF working group will produce a format suitable for logging from any SIP element. The working group will take into account

- \* the need to search, merge, and summarize the log records from one or more possibly diverse elements.
- \* the need to correlate messages from multiple elements related to a given request (that may fork) or a given dialog.

The format will take SIP's extensibility into consideration, providing a way to represent SIP message components that are defined in the future. The format will anticipate being used both for off-line analysis and on-line real-time processing applications. The working group will consider the need for efficient creation of records and the need for efficient processing of the records.

The working group will identify the fields to appear in a log record and provide one or more formats for encoding those fields. The working group is not pre-constrained to producing either a bit-field oriented or text-oriented format, and may choose to provide both. If the group chooses to specify both, it must be possible to mechanically translate between the formats without loss of information.

Specifying the mechanics of exchanging, transporting, and storing SIP Common Log Format records is explicitly out of scope. However, the working group will document as part of the definition of the log record format:

- \* operational guidance considering log file management addressing size, rollover, aggregation and filtering.
- \* guidance for correlating SIP CLF records with events reported via other log mechanisms such as syslog or SNMP traps.
- \* security guidance for storage, access, and transporting SIP CLF log records, addressing information privacy

The group will generate:

- A problem statement enunciating the motivation, and use cases for a SIP Common Log Format. This analysis will identify the required minimal information that must appear in any record.
- A specification of the SIP Common Log Format record

#### Goals and Milestones

TBD - Problem statement, motivation, and use cases WGLC  
TBD - Problem statement, motivation, and use cases to IESG (Informational)  
TBD - SIP Common Log Format specification WGLC  
TBD - SIP Common Log Format specification to IESG (PS)

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Multicast Mobility (multimob) - 1 of 1  
Token: Jari Arkko

#### Mobility Multicast (multimob)

-----  
Current Status: Proposed Working Group  
Last Modified: 2009-08-07

Chairs:  
TBD

Internet Area (int) Directors:  
Jari Arkko <jari.arkko@piuha.net>  
Ralph Droms <rdroms@cisco.com>

Internet Area Advisor:  
Jari Arkko <jari.arkko@piuha.net>

Mailing Lists:  
General Discussion: [multimob@ietf.org](mailto:multimob@ietf.org)  
Subscribe online at: <https://www1.ietf.org/mailman/listinfo/multimob>

#### Description of Working Group

The Multicast mobility (multimob) working group provides guidance for supporting multicast in a mobile environment. The scope of work will be limited to Proxy Mobile IPv6, MLD/IGMP protocols and listener mobility. Work requiring modifications to mobility protocols,

MLD/IGMP, and multicast routing protocols is out of scope in this first stage of this working group.

Specific goals are:

- Document how multicast can be supported in a Proxy Mobile IPv6 environment
- Document the configuration of IGMP/MLD in mobile environments

The Proxy Mobile IPv6 (PMIPv6) specification as defined in RFC 5213 does not describe how to support multicast. Some forms of multicast support can, however, be built in the involved nodes by using existing capabilities of multicast protocols and the underlying mobility protocols. The first task of the working group is to document such solutions for PMIPv6. This work will not require any additions or changes to message types and parameters specified in RFC 5213, and will assume an unmodified mobile host. The work will employ the remote subscription model. This is mechanism by which a mobile node joins a multicast group and receives multicast data forwarded via the local mobility anchor.

IGMPv3/MLDv2 has been specified for wired networks with shared links. Mobile nodes have needs that are specific to wireless networks and mobility (e.g. entering a dormant mode to conserve battery power, minimizing the latency for joining and leaving a group in support of movement).

The second task of the WG is to assess existing solutions for group management, and determine to what extent these methods are sufficient in a mobile environment. This will include recommending appropriate selection of timer values and protocol parameters.

In performing its work, the working group will work closely with both the mobility community (NETLMM and NETEXT WGs) and the multicast community (MBONED WG). The group will consider both source specific multicast and any source multicast models.

Future work, subject to rechartering, may study/evaluate extensions to support PMIPv6 optimizations to address the avalanche problem and fast handover and extensions to IGMPv3/MLDv2 to support better operation in mobile environments.

Milestones:

Nov 2009 Initial version of a document explaining the use of multicast in PMIPv6

Nov 2009 Initial version of a document on how to tune IGMP/MLD for

mobility

Feb 2010 Submit a document explaining the use of multicast in PMIPv6, for publication as either Informational or Best Current Practice

Feb 2010 Submit a document on how to tune IGMP/MLD for mobility, for publication as either Informational or Best Current Practice

Mar 2010 Recharter for additional optimization work involving extensions to PMIPv6, IGMPv3, or MLDv2

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.2 Proposed for Approval

o Internationalized Domain Names in Applications, Revised (idnabis) -  
1  
of 2

Token: Lisa Dusseault

Internationalized Domain Names in Applications, Revised (idnabis)

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Last Modified: 2009-08-10

Additional information is available at [tools.ietf.org/wg/idnabis](http://tools.ietf.org/wg/idnabis)

Chair(s):

- Vinton Cerf <[vint@google.com](mailto:vint@google.com)>

Applications Area Director(s):

- Lisa Dusseault <[lisa.dusseault@gmail.com](mailto:lisa.dusseault@gmail.com)>

- Alexey Melnikov <[alexey.melnikov@isode.com](mailto:alexey.melnikov@isode.com)>

Applications Area Advisor:

- Lisa Dusseault <[lisa.dusseault@gmail.com](mailto:lisa.dusseault@gmail.com)>

Mailing Lists:

General Discussion: [idna-update@alvestrand.no](mailto:idna-update@alvestrand.no)

To Subscribe: <http://www.alvestrand.no/mailman/listinfo/idna-update>

Archive: <http://www.alvestrand.no/pipermail/idna-update/>

Description of Working Group:

The original Internationalized Domain Name (IDN) WG specified rules for the use of characters other than Latin A(a)-Z(z), digits 0-9 and the

hyphen (-) in domain names in RFC3490, RFC3491 and RFC3492 in 2002 (published in 2003 and often referenced collectively as "IDNA2003").

These documents depend on RFC 3454 and were tied to Unicode version 3.2. An update to the current version (5.x) is required to accommodate additional scripts. In addition, experience has shown that significant improvements could be made in the protocol as presently specified.

This WG is chartered to decouple IDNA from specific versions of Unicode using algorithms that define validity based on Unicode properties. It is recognized that some explicit exceptions may be necessary in any case, but attempts will be made to minimize these exceptions.

Additional goals:

- Separate requirements for valid IDNs at registration time (insertion of names into DNS zone files), vs. at resolution time (looking up those names)
- Review, and if necessary revise, the algorithms and rules for handling right to left character sequences in an IDN context to allow labels based on additional scripts and languages and to make presentation as predictable as reasonably possible.
- Permit use of some scripts that were inadvertently excluded by the original protocols.
- Ensure practical stability of validity algorithms for IDNs.

The constraints of the original IDN WG still apply to IDNABIS, namely to avoid disturbing the current use and operation of the domain name system, and for the DNS to continue to allow any system to resolve any domain name in a consistent way. The client-based approach of the original IDN work will be maintained -- substantially new protocols or mechanisms are not in scope. In particular, IDNs continue to use the "xn--" prefix and the same ASCII-compatible encoding, and the bidirectional algorithm follows the same basic design.

The specifications are initially organized as four documents: overview and rationale, protocol, table algorithm, and improvements to the bidirectional algorithm. These documents are to be used as the basis for the discussion of the general direction of the work.

This working group will be providing extended public review of the output of a design team that has been working on improvement of the IDNA specifications.

This review-based approach is being used in part because of the way the

work was undertaken by the team; in particular, the design team has been working with IETF visibility and has solicited and received significant amounts of technical review already from IETF participants and from others including experts in the Unicode specifications and the use of scripts in languages. If the public review provided by this Working Group confirms the basic method outlined in the input documents, it is expected that the working group will be able to respond with any needed changes and close in a short period of time. If technical issues arise that indicate a fundamentally different approach must be taken from the one outlined above, it is anticipated that this working group would close, and a new one with an appropriate charter would be considered.

This work is intended to specify an improved means to produce and use stable and unambiguous IDN identifiers.

There are a variety of generally unsolvable problems, notably the problem of characters that are confusingly similar in appearance (often known as the "phishing" problem) that are not specifically part of the scope of the WG although some of the preliminary results of the design team suggest that the improvements contemplated in the specifications might mitigate some of the ways in which the current IDNA specifications can be abused for phishing purposes.

While it is referenced from the original IDNA2003 package, the original Stringprep specification, RFC 3454, is not formally part of the IDNA package and will not be altered by this work.

The work will update or obsolete RFC 3490. It is not expected to continue to use Nameprep (RFC 3491). Nameprep is used by other specifications; determining how (or whether) to update those specifications and, consequently, the long-term status of Nameprep, are not part of this effort. The method for ASCII-compatible ("ACE") encoding of IDNs, "Punycode" (RFC 3492) will not be revised by this WG.

Subject to the more general constraints described above, the WG is permitted to consider changes that are not strictly backwards-compatible. For any such change that is recommended, it is expected to document the reasons for the change, the characters affected, and possible transition strategies.

The assumptions outlined above are considered critical to the WG constituted by this charter. The WG will stop work and recommend that a new charter be generated if it concludes that any of the following are necessary to meet its goals:

- (i) A change to the "punycode" algorithm or to the ACE approach to encoding names in the DNS.
- (ii) A change to the ACE prefix from "xn--"
- (iii) A change to the basic approach taken in the design team documents (Namely: independence from Unicode version and reduction of dependency on character mapping )

#### Goals and Milestones:

Apr 2008	WG formation
May 2008	Decision on form and structure of the WG document set
Sep 2008	WG Last Call on WG document set
Nov 2008	IETF Last Call on WG document set

#### 4. Working Group Actions

##### 4.2 WG Rechartering

##### 4.2.2 Proposed for Approval

- o DNS Extensions (dnsext) - 2 of 2
- Token: Ralph Droms

#### DNS Extensions Working group (dnsext)

-----

Last Modified: 2009-06-24

Current Status: Active Working Group

#### Chair(s):

Olafur Gudmundsson <ogud@ogud.com>  
Andrew Sullivan <ajs@shinkuro.com>

#### Internet Area Director(s):

Ralph Droms <rdroms@cisco.com>  
Jari Arkko <jari.arkko@piuha.net>

#### Internet Area Advisor:

Ralph Droms <rdroms@cisco.com>

#### Mailing Lists:

General Discussion: [namedroppers@ops.ietf.org](mailto:namedroppers@ops.ietf.org)  
To Subscribe: [namedroppers-request@ops.ietf.org](mailto:namedroppers-request@ops.ietf.org)  
Archive: <http://ops.ietf.org/lists/namedroppers/>

#### Description of Working Group:

The DNS has a large installed base and repertoire of protocol

specifications. The DNSEXT WG group will actively advance DNS protocol-related RFCs on the standards track while thoroughly reviewing further proposed extensions. The scope of the DNSEXT WG is confined to the DNS protocol, particularly changes that affect DNS protocols "on the wire" or the internal processing of DNS data. DNS operations are out of scope for the WG.

The WG will limit itself to review of proposals for new extensions and clarification to the DNS protocol, including DNSSEC. Adoption of new work targeted for standards track will require changes to this charter.

The working group can nevertheless undertake work in following subjects without a charter change:

- DNSSEC and TSIG/TKEY algorithm maintenance
- Hardening DNS protocol and providing guidance to implementors
- Examining transport protocols possibly adding new ones.
- Advancing existing Proposed Standard RFCs to Draft/Full Standard
- Obsoleting RFCs.

Before formal adoption of any such items at least 5 working group participants must publicly state that the item is within charter and is worthwhile item for further study.

The DNSEXT WG will conduct the specified RFC5395 review of RR templates as they are posted, and EDNS0 Option templates if EDNS0-bis updates registration requirements.

The WG will review DNS protocol related work which may originate elsewhere in the IETF, including AD-sponsored submissions or drafts in other working group. The WG does not intend to hold face to face meetings, though may do so if deemed necessary for resolution of a specific issue at hand.

#### Milestones:

Jul	2009	TSIG/MD5 Obsoleting to IESG.
Jul	2009	RSA/SHA256 to IESG.
Aug	2009	AXFR Clarify to IESG.
Sep	2009	EDNS0 Ping Option advanced to IESG
Oct	2009	Resolver side Forgery Resilience advanced to IESG
Oct	2009	DNSSEC Errata document to IESG
Nov	2009	GOST DNSKEY and DS support advanced to IESG
Dec	2009	EDNS0-bis update advanced to IESG
Feb	2010	DNS existing transport protocol recommendations/ clarifications

to IESG

Jun 2010 DNS <new> transport protocol specification

## 5. IAB News We Can Use

## 6. Management Issues

### 6.1 Tracking changes to WG charters (Alexey Melnikov)

Spencer Dawkins <spencer@wonderhamster.org> wrote:

I can't think of ANYONE who wouldn't be better off if we published deltas for WG charter revisions when we ask for comments. We can each trivially produce our own deltas, but if you want feedback from the community, providing deltas is likely to get more (and more helpful) feedback.

### 6.2 Should ADs have access to passwords to mailing lists for their respective areas? (Alexey Melnikov)

### 6.3 Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

IESG:

bcc: IESG Secretary

This is a request for discussion as a management item.

ARIN has contacted us about the status of 128.66.0.0/16.

This block is registered to IANA in their database but is not assigned to

IANA or any official purpose in an RFC or Internet-Draft as far as we can

tell. Nonetheless, it appears to have unofficially been used as a documentation prefix in 'Networking Personal Computers with TCP/IP', published by O'Reilly in 1995 and is also listed in lots of sample ACL configs found on the Internet.

We believe that draft-iana-ipv4-examples will (hopefully) become a normative

and authoritative document on IPv4 unicast addresses reserved for use in documentation, allowing 128.66/16 to be returned to the free pool. That being said, it might be a very difficult block to use for many purposes but

might well be suitable for some private internetworks or otherwise very

controlled networks.

Please let us know if you would prefer this block to be reserved rather than made available for use by (suitably warned) network operators.

Additionally, we intend to return 192.0.128.0/17 to the free pool. It is registered to us but not documented as reserved in an RFC.

Many thanks,

Leo Vegoda  
Michelle Cotton  
IANA

## 7. Working Group News We Can Use

Jari Arkko  
Ron Bonica  
Ross Callon  
Ralph Droms  
Lisa Dusseault  
Lars Eggert  
Pasi Eronen  
Adrian Farrel  
Russ Housley  
Cullen Jennings  
Alexey Melnikov  
Tim Polk  
Dan Romascanu  
Robert Sparks  
Magnus Westerlund

Return-Path: <wwwrun@core3.amsl.com>  
X-Original-To: iesg@ietf.org  
Delivered-To: iesg@core3.amsl.com  
Received: by core3.amsl.com (Postfix, from userid 30) id 5EFC33A6A24;  
Tue, 25 Aug 2009 11:34:27 -0700 (PDT)  
From: Adrian Farrel <adrian.farrel@huawei.com>  
To: iesg@ietf.org

Subject: COMMENT: draft-ietf-opsawg-syslog-alarm  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
Message-Id: <20090825183427.5EFC33A6A24@core3.amsl.com>  
Date: Tue, 25 Aug 2009 11:34:27 -0700 (PDT)  
Cc: draft-ietf-opsawg-syslog-alarm@tools.ietf.org, opsawg-  
chairs@tools.ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Tue, 25 Aug 2009 18:34:27 -0000

Comment:

Nits you should fix to reduce the load on the RFC Editor if you are editing the document.

Have a look to see whether you are consistent in your use of "syslog," "Syslog," and "SYSLOG."

----

idnits says...

== The page length should not exceed 58 lines per page, but there was 1 longer page, the longest (page 1) being 63 lines

== Missing Reference: 'Syslog' is mentioned on line 225, but not defined

\*\* Obsolete normative reference: RFC 1738 (Obsoleted by RFC 4248, RFC 4266)

-----

Abstract is a little hard to parse

It  
includes the mapping of ITU perceived severities onto syslog message fields and a number of alarm-specific SD-PARAM definitions from X.733

and the IETF Alarm MIB.

What maps onto what?

-----

Section 1

defines a mapping of syslog severity to the severity of the alarm.

Which way is the mapping defined in this document? I think the mapping is from alarm severity to syslog severity.

Should include references to RFC3877, X.733 and X.736 where they are mentioned.

-----

Section 2

s/severities which are useful/severities which it is useful/

s/A STRUCTURED-DATA element is defined/A STRUCTURED-DATA element is defined in this document/

-----

Section 3

s/The following are defined/The following are defined in this document/

-----

Section 6

It would be really helpful to IANA and would make certain that you get the results you want if you name the registry from which you wish IANA to make these allocations.

-----

Section 8.2 appears to have some double-double quotes

Return-Path: <SCHISHOL@nortel.com>

X-Original-To: iesg@core3.amsl.com

Delivered-To: iesg@core3.amsl.com

Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com (Postfix) with ESMTP id 0408B3A6A32 for <iesg@core3.amsl.com>; Wed, 26 Aug 2009 06:10:13 -0700 (PDT)

X-Virus-Scanned: amavisd-new at amsl.com

X-Spam-Flag: NO

X-Spam-Score: -6.227

X-Spam-Level:

X-Spam-Status: No, score=-6.227 tagged\_above=-999 required=5 tests=[AWL=0.372, BAYES\_00=-2.599, RCVD\_IN\_DNSWL\_MED=-4]

Received: from mail.ietf.org ([64.170.98.32]) by localhost

(core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id rd-rc6wM5q94 for <iesg@core3.amsl.com>; Wed, 26 Aug 2009 06:10:12 -0700 (PDT)

Received: from zrtps0kp.nortel.com (zrtps0kp.nortel.com [47.140.192.56]) by core3.amsl.com (Postfix) with ESMTP id CD5843A67F9 for <iesg@ietf.org>; Wed, 26 Aug 2009 06:10:11 -0700 (PDT)

Received: from zcarhxm2.corp.nortel.com (zcarhxm2.corp.nortel.com [47.129.230.99]) by zrtps0kp.nortel.com (Switch-2.2.6/Switch-2.2.0) with ESMTP id n7QD7Hh17088; Wed, 26 Aug 2009 13:07:17 GMT

X-MimeOLE: Produced By Microsoft Exchange V6.5

Content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

Subject: RE: COMMENT: draft-ietf-opsawg-syslog-alarm

Date: Wed, 26 Aug 2009 09:07:06 -0400

Message-ID:

<713043CE8B8E1348AF3C546DBE02C1B41A6717DF@zcarhxm2.corp.nortel.com>

In-Reply-To: <20090825191129.1762E3A6E0B@core3.amsl.com>

X-MS-Has-Attach:

X-MS-TNEF-Correlator:

Thread-Topic: COMMENT: draft-ietf-opsawg-syslog-alarm

Thread-Index: AcomPuEQnqZjkatxST6TYOXiW0Ej4AADsn4w

References: <20090825191129.1762E3A6E0B@core3.amsl.com>

From: "Sharon Chisholm" <schishol@nortel.com>

To: "Russ Housley" <housley@vigilsec.com>, <iesg@ietf.org>

Cc: suresh.krishnan@ericsson.com, draft-ietf-opsawg-syslog-alarm@tools.ietf.org, opsawg-chairs@tools.ietf.org

X-BeenThere: iesg@ietf.org

X-Mailman-Version: 2.1.9

Precedence: list

List-Id: <iesg.ietf.org>

List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=unsubscribe>>

List-Archive: <<https://www.ietf.org/mailman/private/iesg>>

List-Post: <<mailto:iesg@ietf.org>>

List-Help: <<mailto:iesg-request@ietf.org?subject=help>>

List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=subscribe>>

X-List-Received-Date: Wed, 26 Aug 2009 13:10:13 -0000

Hi

Sorry, I received these comments and sent proposed edits to the working group but forgot to cc Suresh, which as a former Gen-ARTer is pretty bad. These were the changes:

-----

In section 1,=20

Old:Alarm related terminology is defined in [RFC3877].

New:Alarm related terminology is defined in [RFC3877].

SD-ID, SD-PARM and other syslog related terms are defined in [RFC5424]  
=20

In section 3

Old: the SD-PARAMS are mandatory.

New: the SD-PARAMS are mandatory.

=20

In section 3.6

Old: [RFC1738] and its updates. In the case of an SNMP resource, the

New: [RFC3986] and its updates. In the case of an SNMP resource, the

=20

In section 4

Old: In this example, extended from [Syslog], the VERSION is 1 and the

New: In this example, extended from [RFC5424], the VERSION is 1 and the

In section 6

Old: IANA is requested to register the SD-IDs

New: IANA is requested to register the syslog Structured Data ID Values

=20

In section 8.1

Old: [RFC1738] Berners-Lee, T., Masinter, L., and M. McCahill,  
"Uniform  
Resource Locators (URL)", RFC 1738, December 1994.

New: [RFC3986] Berners-Lee, T., Fielding, R., and Masinter, L.,  
"Uniform Resource Identifier (URI): Generic Syntax", RFC RFC3986,  
January 2005.

-----

Sharon=20

-----Original Message-----

From: Russ Housley [mailto:housley@vigilsec.com]=20  
Sent: Tuesday, August 25, 2009 3:11 PM  
To: iesg@ietf.org  
Cc: suresh.krishnan@ericsson.com; opsawg-chairs@tools.ietf.org;  
draft-ietf-opsawg-syslog-alarm@tools.ietf.org  
Subject: COMMENT: draft-ietf-opsawg-syslog-alarm=20

Comment:

Please review the comments provided in the Gen-ART Review by  
Suresh Krishnan:

- \* Please replace reference to obsolete RFC1738 with a reference to  
RFC4248 or RFC4266 or both depending on what is required.
- \* Section 4: Replace the nonexistent reference [Syslog] with  
[RFC5424] if that is what you intended to use.

Return-Path: <wwwrun@core3.amsl.com>  
X-Original-To: iesg@ietf.org  
Delivered-To: iesg@core3.amsl.com  
Received: by core3.amsl.com (Postfix, from userid 30) id 39F6728C0D6;  
Wed, 26 Aug 2009 15:08:59 -0700 (PDT)  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: The IESG <iesg@ietf.org>  
Subject: FINAL Agenda and Package for August 27, 2009 Telechat  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
Message-Id: <20090826220859.39F6728C0D6@core3.amsl.com>

Date: Wed, 26 Aug 2009 15:08:59 -0700 (PDT)  
Cc: avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Wed, 26 Aug 2009 22:08:59 -0000

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the August 27, 2009 IESG Teleconference

This agenda was generated at 14:57:46 PDT, August 26, 2009  
Web version of this agenda can be found at:  
<http://www.ietf.org/iesg/agenda.html>

## 1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes
- 1.4 Review of Action Items

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item

- o draft-ietf-simple-xcap-diff-13.txt

An Extensible Markup Language (XML) Document Format for Indicating A Change

in XML Configuration Access Protocol (XCAP) Resources (Proposed Standard) -

- Note: Ben Campbell is taking over as the document Shepherd  
Token: Robert Sparks
- o draft-ietf-ippm-multimetrics-11.txt  
IP Performance Metrics (IPPM) for spatial and multicast (Proposed Standard)  
- 2 of 7  
Note: The document shepherd is Matt Zekauskas (matt@internet2.edu).  
Token: Lars Eggert
  - o draft-ietf-ospf-hmac-sha-06.txt  
OSPFv2 HMAC-SHA Cryptographic Authentication (Proposed Standard) - 3 of 7  
Token: Ross Callon
  - o draft-ietf-opsawg-syslog-alarm-02.txt  
Alarms in SYSLOG (Proposed Standard) - 4 of 7  
Note: Scott Bradner (sob@harvard.edu) is the document shepherd.  
Token: Dan Romascanu
  - o draft-ietf-mext-binding-revocation-10.txt  
Binding Revocation for IPv6 Mobility (Proposed Standard) - 5 of 7  
Note: Julien Laganier (julien.laganier.ietf@gmail.com) is the document shepherd.  
Token: Jari Arkko
  - o draft-ietf-vcarddav-webdav-mkcol-06.txt  
Extended MKCOL for WebDAV (Proposed Standard) - 6 of 7  
Note: Julian Reschke <julian.reschke@greenbytes.de> agreed to shepherd the document.  
Token: Alexey Melnikov
  - o draft-ietf-ntp-dhcpv6-ntp-opt-04.txt  
Network Time Protocol (NTP) Server Option for DHCPv6 (Proposed Standard) - 7 of 7  
Note: Brian Haberman (brian@innovationslab.net) is the document shepherd.  
Token: Ralph Droms

### 2.1.2 Returning Item

NONE

## 2.2 Individual Submissions

### 2.2.1 New Item

NONE

### 2.2.2 Returning Item

- o draft-green-secsh-ecc-08.txt  
Elliptic-Curve Algorithm Integration in the Secure Shell Transport Layer  
(Proposed Standard) - 1 of 2

Note: Jeffrey Hutzelman (jhutz@cmu.edu) is document shepherd.

Token: Tim Polk

- o draft-housley-iesg-rfc3932bis-08.txt

IESG Procedures for Handling of Independent and IRTF Stream

Submissions

(BCP) - 2 of 2

Note: There is no document shepherd

Token: Jari Arkko

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.1.1 New Item

- o draft-ietf-behave-nat-behavior-discovery-07.txt

NAT Behavior Discovery Using STUN (Experimental) - 1 of 4

Token: Magnus Westerlund

- o draft-ietf-bmwg-mpls-forwarding-meth-05.txt

MPLS Forwarding Benchmarking Methodology for IP Flows

(Informational)

- 2

of 4

Token: Ron Bonica

- o draft-ietf-mext-aero-reqs-04.txt

Network Mobility Route Optimization Requirements for Operational Use

in

Aeronautics and Space Exploration Mobile Networks (Informational) -

3

of 4

Note: Document Shepherd is Marcelo Bagnulo Braun

<marcelo@it.uc3m.es>

Token: Jari Arkko

- o draft-ietf-pwe3-mpls-transport-04.txt

Application of Ethernet Pseudowires to MPLS Transport Networks

(Informational) - 4 of 4

Note: Matthew Bocci (matthew.bocci@alcatel-lucent.com) is the document

shepherd

Token: Ralph Droms

### 3.1.2 Returning Item

- o draft-ietf-ospf-manet-or-02.txt

Extensions to OSPF to Support Mobile Ad Hoc Networking  
(Experimental)

- 1

- of 1

- Token: Ross Callon

## 3.2 Individual Submissions Via AD

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

### 3.2.1 New Item

NONE

### 3.2.2 Returning Item

NONE

## 3.3 Independent Submissions Via RFC Editor

The IESG will use RFC 3932 responses: 1) The IESG has not found any conflict between this document and IETF work; 2) The IESG thinks that this work is related to IETF work done in WG <X>, but this does not prevent publishing; 3) The IESG thinks that publication is harmful to work in WG <X> and recommends not publishing at this time; 4) The IESG thinks that this document violates the IETF procedures for <X> and should therefore not be published without IETF review and IESG approval; 5) The IESG thinks that this document extends an IETF protocol in a way that requires IETF review and should therefore not be published without IETF review and IESG approval.

The document shepherd must propose one of these responses in the Data Tracker note and supply complete text in the IESG Note portion of the write-up. The Area Director ballot positions indicate consensus with the response proposed by the document shepherd.

Other matters may be recorded in comments, and the comments will be passed on to the RFC Editor as community review of the document.

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o SIP Common Log Format (clf) - 1 of 1  
Token: Robert Sparks

#### 4.1.2 Proposed for Approval

- o Multicast Mobility (multimob) - 1 of 1  
Token: Jari Arkko

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

- o Internationalized Domain Names in Applications, Revised (idnabis) -  
1  
of 2

Token: Lisa Dusseault

- o DNS Extensions (dnstxt) - 2 of 2  
Token: Ralph Droms

## 5. IAB News We can use

## 6. Management Issue

6.1 Tracking changes to WG charters (Alexey Melnikov)

6.2 Should ADs have access to passwords to mailing lists for their respective areas? (Alexey Melnikov)

6.3 Two chairs from the same company (Dan Romascanu)

6.4 Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

## 7. Working Group News

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INTERNET ENGINEERING STEERING GROUP (IESG)

Agenda for the August 27, 2009 IESG Teleconference

This package was generated at 14:57:46 PDT, August 26, 2009.

## 1. Administrivia

### 1.1 Roll Call

Dear IESG Members:

The next IESG teleconference will take place on Thursday, August 27, 2009 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, then please reply to this message as follows:

o If you are unable to participate, then please write "Regrets" after your name.

Jari Arkko---Will call in  
Ron Bonica---Will call in  
Ross Callon---Will call in  
Michelle Cotton---Will call in  
Ralph Droms---Will call in  
Lisa Dusseault---Will call in  
Lars Eggert---Will call in  
Pasi Eronen---Will call in  
Marshall Eubanks---Will call in  
Adrian Farrel---Will call in  
Sandy Ginoza---Will call in  
Russ Housley---Will call in  
Cullen Jennings---Will call in  
Olaf Kolkman---Will call in  
John Leslie---Will call in  
Alexey Melnikov---Will call in  
Cindy Morgan---Will call in  
Dave Oran---Will call in  
Ray Pelletier---Regrets  
Tim Polk---Will call in  
Dan Romascanu---Will call in  
Robert Sparks---Will call in  
Amy Vezza---Will call in  
Magnus Westerlund---Will call in

-----  
Topic: IESG Teleconference Webex

Date: Every 2 weeks on Thursday, from Thursday, August 27, 2009 to Thursday,  
October 22, 2009

Time: 8:30 am, Pacific Time (San Francisco, GMT-07:00)

Meeting Number: 965 501 496

Meeting Password: (This meeting does not require a password.)

\*\*\*Participants outside the U.S./Canada should use either one of the global toll numbers listed below, or use Skype to connect to the U.S. toll-free number. Participants using the global toll numbers will pay their own long distance charges through their own carriers.

\*\*\*Please DO NOT have WebEx connect you to the audio using your computer, or have WebEx call you back directly. For best audio quality, please connect using one of the numbers listed below, or by using Skype.

-----  
To join the online meeting (Now from iPhones too!)  
-----

1. Go to  
<https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&RT=MiM0>
2. Enter your name and email address.
3. Enter the meeting password: (This meeting does not require a password.)
4. Click "Join Now".

To view in other time zones or languages, please click the link:  
<https://workgreen.webex.com/workgreen/j.php?ED=117335722&UID=0&ORT=MiM0>

-----  
To join the audio conference only  
-----

To join the audio conference, call the number below and enter the access code.

Call-in toll-free number (US/Canada): 866-699-3239

Call-in toll number (US/Canada): 1-408-792-6300

Global call-in numbers:

Australia Toll	+61 (0)2 82239752
Austria Toll	+43 (0)1 79576257
Belgium Toll	+32 (0)22006259
Denmark Toll	+45 38323066
Finland Toll	+358 (0)9 72519058
France Toll	+33 (0)157323123
Germany Toll	+49 (0)69 51709070
Hong Kong Toll	+852 30114556
Ireland Toll	+353 (0)1 6569197
Israel	1-80-9214668
Italy Toll	+39 02 69430409

Japan Toll	+81 (0)3 57675022
Luxembourg Toll	+352 3420808633
Netherlands Toll	+31 (0)20 2008070
New Zealand Toll	+64 (0)9 9200065
Norway Toll	+47 24159525
Singapore Toll	+65 66221061
South Korea Toll	+82 (0)234831042
Spain Toll	+34 912754164
Sweden Toll	+46 (0)8 50163255
Switzerland Toll	+41 (0)44 6545616
Taiwan Toll	+886 (0)2 21920244
UK Toll	+44 (0)20 70267693

Toll-free dialing restrictions:

[http://www.webex.com/pdf/tollfree\\_restrictions.pdf](http://www.webex.com/pdf/tollfree_restrictions.pdf)

Access code: 965 501 496

-----  
To join the audio conference using Skype

- 
1. Bring up your Skype application.
  2. Bring up your browser, and go to the WebEx URL.
  3. Enter your name and email address.
  4. Close the WebEx window prompting for a phone number.
  5. Select the "info" tab at the top of the WebEx browser page.
  6. Go to Skype, and dial the U.S. Toll-Free number from the meeting announcement.
  7. Click on the DialPad tab on the Skype window.
  8. Use the virtual keypad to enter the meeting number followed by #.
  9. Use the virtual keypad to enter your attendee ID followed by #.

-----  
For assistance

- 
1. Go to <https://workgreen.webex.com/workgreen/mc>
  2. On the left navigation bar, click "Support".

You can contact me at:

[cmorgan@amsl.com](mailto:cmorgan@amsl.com)

1-510-492-4085

To add this meeting to your calendar program (for example Microsoft Outlook),

click this link:

<https://workgreen.webex.com/workgreen/j.php?>

ED=117335722&UID=0&ICS=MI&LD=1&RD=2&

ST=1&SHA2=aF2UQMAp/Ged3Ro2eb6FoRVh1HD6wGJTfJFYQgfeVGU=&RT=MiM0

The playback of UCF (Universal Communications Format) rich media files requires appropriate players. To view this type of rich media files in the meeting,

please check whether you have the players installed on your computer by going to  
<https://workgreen.webex.com/workgreen/systemdiagnosis.php>

## 1.2 Bash the Agenda

### 1.3 Approval of the Minutes

DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*

INTERNET ENGINEERING STEERING GROUP (IESG)

Minutes of the August 13, 2009 IESG Teleconference

Reported by: Cindy Morgan, IETF Secretariat

#### ATTENDEES

-----  
Jari Arkko (Ericsson) / Internet Area  
Ron Bonica (Juniper Networks) / Operations and Management Area  
Ross Callon (Juniper Network) / Routing Area  
Michelle Cotton (ICANN) / IANA liaison  
Lisa Dusseault (Messaging Architects) / Applications Area  
Lars Eggert (Nokia) / Transport Area  
Pasi Eronen (Nokia) / Security Area  
Adrian Farrel (Huawei) / Routing Area  
Sandy Ginoza (ISI) / RFC Editor liaison  
Russ Housley (Vigil Security, LLC) / IETF Chair, General Area  
Olaf Kolkman (NLnet Labs) / IAB Chair  
John Leslie / Scribe  
Alexey Melnikov (Isode Limited) / Applications Area  
Cindy Morgan (AMS) / IETF Secretariat  
Dave Oran (Cisco) / IAB Liaison  
Tim Polk (NIST) / Security Area  
Dan Romascanu (Avaya) / Operations and Management Area  
Robert Sparks (Tekelec) / Real-time App. and Infra. Area

#### REGRETS

-----  
Ralph Droms (Cisco) / Internet Area

Marshall Eubanks (Multicast Tech) / Scribe  
Cullen Jennings (Cisco) / Real-time App. and Infra. Area  
Ray Pelletier (ISOC) / IAD  
Amy Vezza (AMS) / IETF Secretariat  
Magnus Westerlund (Ericsson) / Transport Area

## MINUTES

-----

### 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the July 16, 2009 Teleconference were approved. The Secretariat will place the minutes in the public archives.

The narrative minutes of the July 16, 2009 Teleconference were Approved. The Secretariat will place the narrative minutes in the public archives.

#### 1.2 Documents Approved since the July 16, 2009 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-dkim-rfc4871-errata-07.txt (Proposed Standard)
- o draft-ietf-l2tpext-circuit-status-extensions-05.txt (Proposed Standard)
- o draft-ietf-monami6-multiplecoa-14.txt (Proposed Standard)
- o draft-ietf-ospf-dynamic-hostname-05.txt (Proposed Standard)
- o draft-ietf-pkix-3281update-05.txt (Proposed Standard)
- o draft-ietf-pwe3-vccv-bfd-07.txt (Proposed Standard)
- o draft-ietf-smime-rfc3852bis-00.txt (Draft Standard)
- o draft-ietf-tcpm-rfc2581bis-07.txt (Draft Standard)

##### 1.2.2 Document Actions

- o draft-housley-aes-key-wrap-with-pad-04.txt (Informational)
- o draft-ietf-nsis-ntlp-20.txt (Experimental)
- o draft-igoe-secsh-aes-gcm-03.txt (Informational)
- o draft-irtf-mobopts-location-privacy-solutions-16.txt (Experimental)
- o draft-sinnreich-sip-tools-07.txt (Informational)

#### 1.3 Review of Action Items

##### DONE:

- o Ron Bonica to find an author to write a document that explains why additional private address space is not a good idea.

##### DELETED:

NONE

IN PROGRESS:

- o Magnus Westerlund to draft an IESG Statement on BCP 32.
- o Jari Arkko to continue discussion with Henrik Levkowetz about enabling proper filtering to email aliases existing on the tools server.

NEW:

- o Robert Sparks to talk to Tom Taylor about Christian Groves taking over as MEGACO expert.
- o Lars Eggert to find someone to review the ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP document.
- o Dan Romascanu to draft text for the IESG wiki about how to handle having two chairs from the same company.

2. Protocol Actions

2.1 WG Submissions

2.1.1 New Item

- o draft-ietf-rmt-bb-lct-revised-10.txt  
Layered Coding Transport (LCT) Building Block (Proposed Standard) -  
1 of 13  
Token: Magnus Westerlund

The document remains under discussion by the IESG in order to resolve points raised by Robert Sparks.\*

- o draft-ietf-sieve-mime-loop-09.txt  
Sieve Email Filtering: MIME part Tests, Iteration, Extraction,  
Replacement and Enclosure (Proposed Standard) - 2 of 13  
Token: Lisa Dusseault

Alexey Melnikov formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Tim Polk.\*

- o draft-ietf-mpls-ldp-end-of-lib-03.txt  
LDP End-of-LIB (Proposed Standard) - 3 of 13  
Token: Adrian Farrel

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert and Robert Sparks.\*

- o draft-ietf-netconf-partial-lock-09.txt  
Partial Lock RPC for NETCONF (Proposed Standard) - 4 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen, Adrian Farrel, Alexey Melnikov, Tim Polk and Dan Romascanu.\*

- o draft-ietf-nea-pa-tnc-04.txt  
PA-TNC: A Posture Attribute Protocol (PA) Compatible with TNC  
(Proposed Standard) - 5 of 13  
Token: Tim Polk

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms, Russ Housley and Alexey Melnikov.\*

- o draft-ietf-nea-pb-tnc-04.txt  
PB-TNC: A Posture Broker Protocol (PB) Compatible with TNC  
(Proposed Standard) - 6 of 13  
Token: Tim Polk

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms, Russ Housley, Alexey Melnikov, Robert Sparks and Magnus Westerlund.\*

- o draft-ietf-dime-diameter-qos-11.txt  
Diameter Quality of Service Application (Proposed Standard) - 7 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Adrian Farrel and Alexey Melnikov.\*

- o draft-ietf-opsawg-syslog-snmp-05.txt  
Mapping Simple Network Management Protocol (SNMP) Notifications to SYSLOG Messages (Proposed Standard) - 8 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Alexey Melnikov.\*

- o draft-ietf-opsawg-syslog-msg-mib-05.txt  
Definitions of Managed Objects for Mapping SYSLOG Messages to Simple Network Management Protocol (SNMP) Notifications (Proposed Standard) - 9 of 13  
Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Jari Arkko, Pasi Eronen, Adrian Farrel and Tim Polk.\*

- o draft-ietf-l3vpn-as4octet-ext-community-03.txt  
Four-octet AS Specific BGP Extended Community (Proposed Standard) -  
10 of 13  
Token: Ross Callon

The document remains under discussion by the IESG in order to resolve points raised by Tim Polk.\*

- o draft-ietf-mpls-tp-requirements-09.txt  
MPLS-TP Requirements (Proposed Standard) - 11 of 13  
Token: Adrian Farrel

The document was approved by the IESG pending an RFC Editor Note to be prepared by Adrian Farrel. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

- o draft-ietf-l3vpn-v6-ext-communities-02.txt  
IPv6 Address Specific BGP Extended Communities Attribute (Proposed Standard) - 12 of 13  
Token: Ross Callon

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Tim Polk.\*

- o draft-freed-sieve-in-xml-06.txt  
Sieve Email Filtering: Sieves and display directives in XML  
(Proposed Standard) - 13 of 13  
Token: Lisa Dusseault

The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Russ Housley.\*

#### 2.1.2 Returning Item

NONE

### 2.2 Individual Submissions

#### 2.2.1 New Item

- o draft-iana-rfc3330bis-08.txt  
Special Use IPv4 Addresses (BCP) - 1 of 1  
Token: Russ Housley

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert and Adrian Farrel.\*

### 2.2.2 Returning Item

- o draft-housley-iesg-rfc3932bis-07.txt

IESG Procedures for Handling of Independent and IRTF Stream Submissions (BCP) - 1 of 2

Token: Jari Arkko

Russ Housley formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Jari Arkko.\*

- o draft-dusseault-impl-reports-04.txt

Guidance on Interoperation and Implementation Reports for Advancement to Draft Standard (BCP) - 2 of 2

Token: Tim Polk

Lisa Dusseault and Robert Sparks formally recused themselves from the discussion. The document was approved by the IESG. The Secretariat will send an individual submission Protocol Action Announcement that includes an RFC Editor Note prepared by Tim Polk.

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Item

- o draft-ietf-ipfix-export-per-sctp-stream-03.txt

IPFIX Export per SCTP Stream (Informational) - 1 of 2

Token: Dan Romascanu

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert, Adrian Farrel and Alexey Melnikov.\*

- o draft-ietf-pwe3-mpls-transport-04.txt

Application of Ethernet Pseudowires to MPLS Transport Networks (Informational) - 2 of 2

Token: Ralph Droms

The document was deferred to the next teleconference (August 27, 2009) by Ross Callon.

##### 3.1.2 Returning Item

NONE

#### 3.2 Individual Submissions Via AD

##### 3.2.1 New Item

- o draft-iana-special-ipv4-registry-02.txt

IANA IPv4 Special Purpose Address Registry (Informational) - 1 of 1

Token: Russ Housley

The document was approved by the IESG pending an RFC Editor Note to be prepared by Russ Housley. The Secretariat will send an individual submission Document Action Announcement that includes the RFC Editor Note.

### 3.2.2 Returning Item

- o draft-housley-tls-authz-extns-07.txt  
Transport Layer Security (TLS) Authorization Extensions  
(Experimental) - 1 of 1  
Token: Tim Polk

Russ Housley formally recused himself from the discussion. The document remains under discussion by the IESG in order to resolve points raised by Pasi Eronen and Alexey Melnikov.\*

## 3.3 Independent Submissions Via IRTF

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Multicast Mobility (multimob) - 1 of 1  
Token: Jari Arkko

The IESG approved the draft WG charter for IETF review. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (August 27, 2009).

#### 4.1.2 Proposed for Approval

NONE

### 4.2 WG Rechartering

#### 4.2.1 Under evaluation for IETF Review

- o Internationalized Domain Names in Applications, Revised (idnabis) -  
1 of 1  
Token: Lisa Dusseault

The IESG decided to proceed with IETF review of the revised charter. The Secretariat will send a WG Review: Recharter announcement, with a separate message to new-work@ietf.org. The Secretariat will place the

WG on the agenda for the next IESG teleconference (August 27, 2009).

#### 4.2.2 Proposed for Approval

- o Mobility for IPv4 (mip4) - 1 of 1  
Token: Jari Arkko

The IESG approved the revised charter for the working group pending edits to the charter to be provided by Jari Arkko. The Secretariat will send a WG Action: RECHARTER announcement.

#### 5. IAB News We can use

#### 6. Management Issue

##### 6.1 IETF Review of ITU-T MPLS-TP Documents (Adrian Farrel)

This management issue was removed from the agenda prior to the start of the teleconference.

##### 6.2 Issue last call for Language Tag experts as per draft-ietf-ltru-4646bis-23 (Alexey Melnikov)

The management issue was discussed. The IESG approved the text for the Last Call for Language Tag experts as per draft-ietf-ltru-4646bis-23.

##### 6.3 Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

The management issue was discussed.

##### 6.4 Expert for Megaco [IANA #257207] (Michelle Cotton)

The management issue was discussed.

Action Item: Robert Sparks to talk to Tom Taylor about Christian Groves taking over as MEGACO expert.

##### 6.5 Approve expert reviewers for draft-ietf-calsify-rfc2445bis (Lisa Dusseault)

The management issue was discussed. The IESG approved Bernard Desruisseaux and Cyrus Daboo as expert reviewers for draft-ietf-calsify-rfc2445bis.

##### 6.6 Backup Media Type expert reviewer (Alexey Melnikov)

The management issue was discussed. The IESG appointed Mark Baker

(distobj@acm.org) as the backup Media type (MIME) Expert Reviewer.

#### 6.7 ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP (Russ Housley)

The management issue was discussed.

Action Item: Lars Eggert to find someone to review the ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP document.

#### 6.8 Two chairs one company (Adrian Farrel)

The management issue was discussed.

Action Item: Dan Romascanu to draft text for the IESG wiki about how to handle having two chairs from the same company.

### 7. Working Group News

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\* Please see the ID Tracker  
(<https://datatracker.ietf.org/public/pidtracker.cgi>) for details  
on documents that are under discussion by the IESG

#### 1. Administrivia

##### 1.4 Review of Action Items

#### OUTSTANDING TASKS

Last updated: August 17, 2009

- IP o Magnus Westerlund to draft an IESG Statement on BCP 32.
- IP o Jari Arkko to continue discussion with Henrik Levkowetz about enabling proper filtering to email aliases existing on the tools server.
- IP o Robert Sparks to talk to Tom Taylor about Christian Groves taking over as MEGACO expert.
- IP o Lars Eggert to find someone to review the ANSI C12.22-2008 / IEEE P1703-2009 / MC1222 Application Layer messages over IP document.
- IP o Dan Romascanu to draft text for the IESG wiki about how to handle having two chairs from the same company.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 1 of 7

##### o draft-ietf-simple-xcap-diff-13.txt

An Extensible Markup Language (XML) Document Format for Indicating A Change

in XML Configuration Access Protocol (XCAP) Resources (Proposed Standard)

Note: Ben Campbell is taking over as the document Shepherd

Token: Robert Sparks

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-simple-xcap-diff-13.txt to Proposed Standard

-----

Evaluation for draft-ietf-simple-xcap-diff-13.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=12965&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=12965&rfc_flag=0)

Last Call to expire on: 2009-07-22

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ X ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ X ]	[ ]
Pasi Eronen	[ ]	[ X ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]

Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ X ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ X ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ralph Droms:

Comment [2009-08-25]:

Figure 1 isn't entirely clear to me. What do the "-" and "\*" symbols mean?

In the sentence immediately before Figure 1, s./how corresponding/how the corresponding/ ?

There are no instructions to IANA in section 7.1. Will IANA know what to do with that section?

Lars Eggert:

Discuss [2009-08-26]:

Section 9.1., paragraph 6:

> [RFC2648] Moats, R., "A URN Namespace for IETF Documents", RFC 2648,  
> August 1999.

DISCUSS: This is a downref. To me, it looks like the ref can become Informative; otherwise call it out during a LC.

Alexey Melnikov:

Comment [2009-08-26]:

#### 1. Introduction

The Extensible Markup Language (XML) Configuration Access Protocol (XCAP) [RFC4825] is a protocol that allows clients to manipulate XML documents stored on a server. These XML documents serve as configuration information for application protocols. As an example,

resource list [RFC4662] subscriptions (also known as presence lists) allow a client to have a single SIP subscription to a list of users, where the list is maintained on a server. The server will obtain presence for those users and report it back to the client. This application requires the server, called a Resource List Server (RLS), to have access to the list of presentities.

I think the first use of a term like "presentity" needs an Informative Reference.

### 3. Structure of an XCAP Diff Document

The <document> element has one mandatory attribute, "sel", and a two optional attributes, "new-etag" and "previous-etag". The "sel" attribute of the <document> element identifies the specific document within the XCAP root for which changes are indicated. Its content MUST be a relative path reference, with the base URI being equal to the XCAP root URI. The "new-etag" attribute provides the entity tag (ETag) for the document after the application of the changes, assuming the document exists after those changes. The "previous-etag" attribute provides an identifier for the document instance prior to the change. If the change being reported is the removal of a document, the "previous-etag" MUST only be included and the "new-etag" attribute will not be present.

I suggest rewording the last sentence:

"If the change being reported is the removal of a document, only the "previous-etag" MUST be included and the "new-etag" attribute MUST NOT be present."

In a corner case where the content of this element cannot be presented for some reason, although it exists in the XCAP document, the <element> element MUST NOT have any child nodes.

Can you please elaborate more on the corner case?

As the result XML element is typically namespace qualified, all needed namespace declarations MUST exist within the <xml-diff> document. The possible local namespace declarations within the result element exist unmodified as in the source document, similar to XCAP conventions.

I can't quite parse this sentence. Can you elaborate?

Other namespace references MUST be resolved from the context of the <element> or its parent elements. The prefixes of qualified names (QName) [W3C.REC-xml-names-20060816] of XML nodes also remain as they exist originally in the source XCAP document.

Each <attribute> element indicates the existing attribute content of an XCAP document. It has one mandatory attribute, "sel", and one optional attribute, "exists". The "sel" attribute of the <attribute> element identifies an XML attribute of an XCAP document. It is a percent encoded relative URI following XCAP conventions when

typo: encoded

selecting attributes.

I would like to know what is the use case for <element exists="false">?

Tim Polk:

Discuss [2009-08-26]:

The security considerations are clear and factual, but may leave the reader with the wrong impression regarding the importance of protecting XCAP diff documents. This document states:

[...] if the document itself is sensitive and requires confidentiality, integrity or authentication, then the same applies to the XCAP diff format. Therefore, protocols which transport XCAP diff documents must provide sufficient security capabilities for transporting the document itself.

This is all true, but does not indicate whether XCAP documents are likely to be sensitive, or what the typical transport capabilities are likely to be.

The Security Considerations of the XCAP spec (RFC 4825) are very clear

about  
this:

Frequently, the data manipulated by XCAP contains sensitive information. To avoid eavesdroppers from seeing this information, it is RECOMMENDED that an administrator hand out an HTTPS URI as the XCAP root URI. This will result in TLS-encrypted communications between the client and server, preventing any eavesdropping. Clients MUST implement TLS, assuring that such URIs will be usable by the client.

This is probably obvious to a reader with sufficient XCAP expertise, but I believe that the first paragraph needs to be supplemented with a note that TLS-encrypted communications are commonly employed for transporting XCAP documents, and point to 4825 for further discussion of the security requirements for XCAP documents.

In the following paragraph, it would be helpful if this document suggested a SIP baseline for providing a similar set of security attributes. Some warning about hop-by-hop vs. end-to-end security would be helpful as well.

Comment [2009-08-26]:

I greatly appreciated the thorough treatment of the semantics for previous-etag and new-etag when they appear in combination and when each appears alone. I am afraid I missed something subtle with respect to new-etag appearing alone, though. I understand the scenario where the document was just created, but when would the "document exists" scenario be invoked? In this case, the document hasn't changed, so why would there be a diff document at all?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

simple mailing list <simple@ietf.org>,

simple chair <simple-chairs@tools.ietf.org>

Subject: Protocol Action: 'An Extensible Markup Language (XML) Document Format for Indicating A Change in XML Configuration Access Protocol (XCAP)

Resources' to Proposed Standard

The IESG has approved the following document:

- 'An Extensible Markup Language (XML) Document Format for Indicating A Change in XML Configuration Access Protocol (XCAP) Resources ' <draft-ietf-simple-xcap-diff-13.txt> as a Proposed Standard

This document is the product of the SIP for Instant Messaging and Presence Leveraging Extensions Working Group.

The IESG contact persons are Robert Sparks and Cullen Jennings.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-simple-xcap-diff-13.txt>

#### Technical Summary

This specification defines a document format that can be used to indicate that a change has occurred in a document managed by the Extensible Markup Language (XML) Configuration Access Protocol (XCAP). This format indicates the document that has changed and its former and new entity tags. It also can indicate the specific change that was made in the document, using an XML patch format.

#### Working Group Summary

This document reflects the consensus of the SIMPLE working group. It is a companion document to a SIP Event package (xcap-diff) defined by the SIP working group, and leverages the xml-patch-ops work from SIMPLE.

#### Document Quality

The document has received cross-WG review, including attention from

expert SIP-Events reviewers. A media type review was requested Oct 24, 2008.

## Personnel

Ben Campbell is the document shepherd.  
Robert Sparks is the responsible area director.

## RFC Editor Note

Nits to repair identified in IETF Last Call:

- 3 page 6: i.e. -> i.e.,
- 3 pages 7 and 8: endoced -> encoded
- Authors' Addresses page 16: US -> US

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 2 of 7

- o draft-ietf-ippm-multimetrics-11.txt  
IP Performance Metrics (IPPM) for spatial and multicast (Proposed Standard)  
Note: The document shepherd is Matt Zekauskas (matt@internet2.edu).  
Token: Lars Eggert

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ippm-multimetrics-11.txt to Proposed Standard

-----

Evaluation for draft-ietf-ippm-multimetrics-11.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=14149&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=14149&rfc_flag=0)

Last Call to expire on: 2009-08-19

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ X ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ X ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ X ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ralph Droms:

Comment [2009-08-25]:

First sentence of section 3 needs a closing ']'

Section 9.1, 4th para, s/transit/transmit/

Pasi Eronen:

Comment [2009-08-26]:

Stephen Farrell's SecDir reviewed found some editorial nits that should be fixed:

<http://www.ietf.org/mail-archive/web/secdir/current/msg00943.html>

Adrian Farrel:

Discuss [2009-08-25]:

## Section 10

Shouldn't the must/should language here all be in RFC 2119 form?  
It seems to be mixed.

---

## Section 11

This section needs to highlight that path reporting mechanisms (such as indicated here) can be used to determine where in a network to attack a traffic flow.

Spatial reporting may indicate which nodes on a path are most vulnerable to attack.

Both of these issues can be determined by inspection without any need to attack the measurement packets themselves.

Comment [2009-08-25]:

## Figure 2

This would benefit from some explanation.

I presume 'x' does not have the same quality as 'X' although 'X' is not referenced.

It is not clear whether this is an example such that all nodes are candidate points of interest, but those 'x' just happen to not be points of interest.

Is there any significance in Figure 2 using 1,2,3,J where Figure 1 used 1,2,3,I?

Is the figure supposed to imply labeling of the 'X' hosts as 1,2,3,J?

---

Nice to expand "ipdv" on first use.



and  
let "more" stand on its own.

---

## Section 10

s/documents defines/documents define/

But actually...

Usually IPPM WG documents defines each metric reporting within its definition.  
...is either circuitous or has no meaning!

---

### Section 10.1.2

It is highly suggested to use the TTL in IPv4,  
the Hop Limit in IPv6 or the corresponding information in MPLS.

Is "highly suggested" language for inclusion in  
draft-ietf-rfc2119bis-00.txt?

---

## Section 13

Metrics defined in this memo Metrics defined in this memo are  
Duplicate words.

---

## Section 13

You might help IANA by making it clear that each "nn" is a different number, possibly by using aa, bb, cc, etc.

Robert Sparks:

Comment [2009-08-26]:  
Notation nits:

Figure 4's right-most column has repeated R3's where it meant R1, R2, R3

The paragraph below that figure talks about "observed at M points of interest" where I think it meant "n points".

As discussed in email, there is a mix of RnMD and RnDM in section 8.3 that should be the same.

As discussed in email, Ln(k) in figure 10 and L(k,n) in figure 11 could use additional explanation.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ippm mailing list <ippm@ietf.org>,

ippm chair <ippm-chairs@tools.ietf.org>

Subject: Protocol Action: 'IP Performance Metrics (IPPM) for spatial and multicast' to \*\*\* YOU MUST SELECT AN INTENDED STATUS

FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

The IESG has approved the following document:

- 'IP Performance Metrics (IPPM) for spatial and multicast '  
<draft-ietf-ippm-multimetrics-09.txt> as \*\*\* YOU MUST SELECT AN  
INTENDED STATUS FOR THIS DRAFT AND REGENERATE THIS TEXT \*\*\*

This document is the product of the IP Performance Metrics Working Group.

The IESG contact persons are Lars Eggert and Magnus Westerlund.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ippm-multimetrics-09.txt>

Technical Summary

The IETF has standardized IP Performance Metrics (IPPM) for measuring end-to-end performance between two points. This memo defines two new categories of metrics that extend the coverage to multiple measurement points. It defines spatial metrics for measuring the performance of segments of a source to destination path, and metrics for measuring the performance between a source and many destinations in multiparty communications (e.g., a multicast tree).

#### Working Group Summary

The working group input has improved this document through its revisions, and the document itself has been uncontroversial.

#### Document Quality

No known implementations claim to implement this metric. However, other implementers in the group have read the draft.

#### Personnel

The document shepherd is Matt Zekauskas (matt@internet2.edu). Lars Eggert (lars.eggert@nokia.com) reviewed it for the IESG.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 3 of 7

- o draft-ietf-ospf-hmac-sha-06.txt  
OSPFv2 HMAC-SHA Cryptographic Authentication (Proposed Standard)  
Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-ospf-hmac-sha-06.txt to Proposed Standard

-----

Evaluation for draft-ietf-ospf-hmac-sha-06.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=15931&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15931&rfc_flag=0)

Last Call to expire on: 2009-07-20

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ X ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ X ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Adrian Farrel:

Comment [2009-08-25]:

Some nits you should address to improve the polish if you have the  
document open  
for edit.

---

RFC Editor will ask you to reduce the number of names on the front  
cover in line with the guidelines.

---

Section 2

All OSPF protocol exchanges are authenticated.  
Notwithstanding the exact same statement being present in RFC 2328 it is hard to claim that the Authentication Type "Null Authentication" represents authentication in action.  
Perhaps s/are/can be/

---

### Section 3.2

RFC 2328 defined an OSPFv2 Security Association (OSPFv2 SA) in Section D.3, pages 228 and 229. However, the term is new to this document.

Not clear what the second sentence means.

---

### Section 3.2

There is a fair amount of "should". Does this need to be 2119 language?

---

### Section 3.2 Authentication Algorithm

    This information should never  
    be sent over the wire in cleartext form.

s/THis/This/

Russ Housley:

Discuss [2009-08-26]:

Section 3.2 defines Authentication Algorithm and Authentication Mode. I do not think these are separable in the manner described. I would be much more comfortable with the use of Authentication Algorithm with the choices of HMAC-SHA-256, HMAC-SHA-1, HMAC-SHA-224, HMAC-SHA-384, HMAC-SHA-512, and Keyed-MD5. Please see draft-ietf-saag-crypto-key-table-00.txt. Please consider the other ideas presented in this draft.

The document have the following requirements for the various HMAC algorithms:

- MUST include support for HMAC-SHA-256
- SHOULD include support for HMAC-SHA-1, HMAC-SHA-224, HMAC-SHA-384, and HMAC-SHA-512
- SHOULD also include support for Keyed-MD5

This seems like a lot of SHOULD support algorithms. Perhaps some of them out to be MAY support algorithms.

Some guidance to product planners about the mandatory to implement requirements in the future is highly desirable. I assume that support for Keyed-MD5 will be dropped in the future. Is HMAC-SHA-1 also in this same situation? If so, please say so.

Tim Polk:

Comment [2009-08-26]:

I believe the SHOULD list in section 3 is too long to have real value.

I

would

suggest

retaining HMAC-SHA-256 as MUST, with Keyed-MD5 and HMAC-SHA-1 as SHOULD, and relegate the others to MAY.

I also wonder if SHA-224 is worth including at all, given that we would only

save 32

bits on the wire. Would operators find this a compelling feature?

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ospf mailing list <ospf@ietf.org>,

ospf chair <ospf-chairs@tools.ietf.org>

Subject: Protocol Action: 'OSPFv2 HMAC-SHA Cryptographic Authentication' to Proposed Standard

The IESG has approved the following document:

- 'OSPFv2 HMAC-SHA Cryptographic Authentication '  
<draft-ietf-ospf-hmac-sha-05.txt> as a Proposed Standard

This document is the product of the Open Shortest Path First IGP Working Group.

The IESG contact persons are Ross Callon and Adrian Farrel.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ospf-hmac-sha-05.txt-05.txt>

## Technical Summary

This document describes how the NIST Secure Hash Standard family of algorithms can be used with OSPF version 2's built-in cryptographic authentication mechanism. This updates, but does not supercede, the cryptographic authentication mechanism specified in RFC 2328.

## Working Group Summary

No dissent reported (see PROTO writeup by Acee Lindem). Both WG members and members of the security community have reviewed the document. There was controversy as to how the HMAC-SHA digest would be computed and the subject draft is the agreed upon solution.

## Document Quality

The document has been updated in response to Gen-Art and Sec-dir reviews. There is at least one prototype implementation.

## Personnel

Acee Lindem is the Document Shepherd for this document. Ross Callon is the Responsible Area Director.

## RFC Editor Note

(Insert RFC Editor Note here or remove section)

## IRTF Note

(Insert IRTF Note here or remove section)

## IESG Note

(Insert IESG Note here or remove section)

## IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 4 of 7

- o draft-ietf-opsawg-syslog-alarm-02.txt

Alarms in SYSLOG (Proposed Standard)

Note: Scott Bradner (sob@harvard.edu) is the document shepherd.

Token: Dan Romascanu

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-opsawg-syslog-alarm-02.txt to Proposed Standard

-----

Evaluation for draft-ietf-opsawg-syslog-alarm-02.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17362&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17362&rfc_flag=0)

Last Call to expire on: 2009-08-05

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ X ]	[ ]
Pasi Eronen	[ ]	[ ]	[ X ]	[ ]
Adrian Farrel	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ X ]	[ ]	[ ]

Dan Romascanu	[ X ]	[   ]	[   ]	[   ]
Robert Sparks	[   ]	[ X ]	[   ]	[   ]
Magnus Westerlund	[   ]	[   ]	[   ]	[   ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ralph Droms:

Comment [2009-08-26]:

Very minor readability nits:

Reorder sections 3.1-3.6 to match the order of the list in section 3.

Reorder the bullet list in section 3.3 to match the order of the list in section

2.

"trendIndication" in section 3.5 could use a clearer definition. How is trendIndication "[s]imilar to the definition of perceived severity"?

Perhaps

trendIndication is "related to perceived severity, indicating the trend of the

perceived severity relative to previously reported values of perceived severity

for the same alarm source"?

Lars Eggert:

Discuss [2009-08-26]:

Syslog messages can be transmitted over unreliable protocols (UDP). This means

that raising alarms via syslog is inherently different from raising alarms

via

the Alarm MIB, because SNMP is reliable. I'm not clear how the Alarm MIB is used

in the ITU-T and how this syslog method will be used, so I'd like to confirm

that unreliable transmission is not an issue.

(Should this be called out in the document somewhere?)

Pasi Eronen:

Discuss [2009-08-26]:

From Rob Austein's SecDir review: it's not clear what e.g. 'If the "alarm" SD-ID is supported, the "resource" SD-PARAM MUST be supported' (and other similar sentences) mean. Does it mean that if the "alarm" SD-ID is included in a syslog message, the "resource" SD-PARAM MUST be included? (Or if not, what is meant by "supported" here?)

Comment [2009-08-26]:

Couple of typos in Section 4:

'APP-NAME is "su"' -> 'APP-NAME is "evntslog"'  
'exampleSDID@0' -> 'exampleSDID@32473'  
'resourceURI =' -> 'resourceURI='

Adrian Farrel:

Comment [2009-08-25]:

Nits you should fix to reduce the load on the RFC Editor if you are editing the document.

Have a look to see whether you are consistent in your use of "syslog," "Syslog," and "SYSLOG."

----

idnits says...

== The page length should not exceed 58 lines per page, but there was 1 longer page, the longest (page 1) being 63 lines

== Missing Reference: 'Syslog' is mentioned on line 225, but not defined

\*\* Obsolete normative reference: RFC 1738 (Obsoleted by RFC 4248, RFC 4266)

-----

Abstract is a little hard to parse

It  
includes the mapping of ITU perceived severities onto syslog message fields and a number of alarm-specific SD-PARAM definitions from X.733 and the IETF Alarm MIB.

What maps onto what?

-----

## Section 1

defines a mapping of syslog severity to the severity of the alarm.

Which way is the mapping defined in this document? I think the mapping is from alarm severity to syslog severity.

Should include references to RFC3877, X.733 and X.736 where they are mentioned.

-----

## Section 2

s/severities which are useful/severities which it is useful/

s/A STRUCTURED-DATA element is defined/A STRUCTURED-DATA element is defined in this document/

-----

## Section 3

s/The following are defined/The following are defined in this document/

-----

## Section 6

It would be really helpful to IANA and would make certain that you get the results you want if you name the registry from which you wish IANA to make these allocations.

-----

Section 8.2 appears to have some double-double quotes

Russ Housley:

Comment [2009-08-25]:

Please review the comments provided in the Gen-ART Review by Suresh Krishnan:

- \* Please replace reference to obsolete RFC1738 with a reference to RFC4248 or RFC4266 or both depending on what is required.
- \* Section 4: Replace the nonexistent reference [Syslog] with [RFC5424] if that is what you intended to use.

Alexey Melnikov:

Comment [2009-08-21]:

### 3. Alarm STRUCTURED-DATA Elements

Support of the "alarm" SD-ID is optional,  
s/optional/OPTIONAL ?

but once supported some of  
the SD-PARAMS are mandatory.

#### 3.6. resourceURI

If the "alarm" SD-ID is supported, the "resourceURI" SD-PARAM SHOULD be supported. This item uniquely identifies the resource under alarm.

The value of this field MUST conform to the URI definition in [RFC1738] and its updates. In the case of an SNMP resource, the

This RFC was obsoleted 3 times. This should be pointing to RFC 3986 instead.

syntax in [RFC4088] MUST be used and "resourceURI" must point to the same resource as alarmActiveResourceId [RFC3877] for this alarm.

^L

---- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'Alarms in SYSLOG' to Proposed Standard

The IESG has approved the following document:

- 'Alarms in SYSLOG '

<draft-ietf-opsawg-syslog-alarm-02.txt> as a Proposed Standard

This document is the product of the Operations and Management Area Working Group.

The IESG contact persons are Dan Romascanu and Ron Bonica.

A URL of this Internet-Draft is:  
<http://www.ietf.org/internet-drafts/draft-ietf-opsawg-syslog-alarm-02.txt>

## Technical Summary

This document describes how to send alarm information in syslog. It includes the mapping of ITU perceived severities onto syslog message fields and a number of alarm-specific SD-PARAM definitions from X.733 and the IETF Alarm MIB.

## Working Group Summary

The document was revised based on WG feedback & the result meets the issues that were raised.

## Document Quality

SYSLOG is widely implemented and deployed, and the ITU severities are used by a number of protocols and alarm models including the IETF Alarm MIB.

## Personnel

Scott Bradner is the Document Shepherd for this document. Dan Romascanu is the Responsible Area Director.

## RFC Editor Note

Please insert the following edits in the published version:

In section 1,

Old:Alarm related terminology is defined in [RFC3877].

New:Alarm related terminology is defined in [RFC3877].

SD-ID, SD-PARM and other syslog related terms are defined in [RFC5424]

In section 3

Old: the SD-PARAMS are mandatory.

New: the SD-PARAMS are mandatory.

In section 3.6

Old: [RFC1738] and its updates. In the case of an SNMP resource, the

New: [RFC3986] and its updates. In the case of an SNMP resource, the

In section 4

Old: In this example, extended from [Syslog], the VERSION is 1 and the

New: In this example, extended from [RFC5424], the VERSION is 1 and the

In section 6

Old: IANA is requested to register the SD-IDs

New: IANA is requested to register the syslog Structured Data ID Values

In section 8.1

Old: [RFC1738] Berners-Lee, T., Masinter, L., and M. McCahill,  
"Uniform  
Resource Locators (URL)", RFC 1738, December 1994.

New: [RFC3986] Berners-Lee, T., Fielding, R., and Masinter, L.,  
"Uniform Resource Identifier (URI): Generic Syntax", RFC RFC3986,  
January

2005.

IRTF Note

(Insert IRTF Note here or remove section)

IESG Note

(Insert IESG Note here or remove section)

IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 5 of 7

- o draft-ietf-mext-binding-revocation-10.txt  
Binding Revocation for IPv6 Mobility (Proposed Standard)  
Note: Julien Laganier (julien.laganier.ietf@googlemail.com) is the document shepherd.  
Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-mext-binding-revocation-10.txt to Proposed

Standard

-----

Evaluation for draft-ietf-mext-binding-revocation-10.txt can be found at  
h

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acker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\_id&dTag=17614&rfc\_flag=0

Last Call to expire on: 2009-08-26

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ X ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ X ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ X ]	[ ]
Adrian Farrel	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ X ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Ralph Droms:

Discuss [2009-08-26]:

While these issues are editorial and/or clarifying questions, I think they need to be addressed before this doc is published.

In section 6, where are the Payload Proto and Header Len fields defined?

The text describing the Mobility Options in section 6.1 wasn't clear to me.

Does the first sentence imply that the field should be padded out to a multiple of 8 octets? How does the padding work and how is the beginning of the padding differentiated from a TLV?

Is the Home Network Prefix option allowed when the P bit is not set?

s/mandatory/<something from RFC 2119>/ throughout

What are the RFC 2119 requirements for the IPv4 Home Address option?

What are the identification semantics for these options; i.e., how are they used to "identify the specific binding or bindings"?

What are the identification semantics in the case no options are present?

Match all; match none, ???

The text in section 6.2 about the use of Mobility Options is similarly unclear.

Can Mobility Options be included (doc says "not required") when the Status field indicates success? How are the Mobility Options interpreted in the case of success?

"The mobility option(s) are usually used to communicate information of the bindings that failed the revocation procedure" - how else are they used, when would they not be used, how to they communicate the information about failure?

Comment [2009-08-26]:

Section 4, Security Model and Section 14, Security Considerations seem to

mostly

overlap. I suggest combining the two sections under Security Considerations.

Is there a reason not to simply define two Mobility Header Types, Binding Revocation Indication and Binding Revocation Acknowledgment, rather than a single Binding Revocation message with two sub-types?

Related editorial nits - the IANA considerations section might be edited for clarity.

Identify explicitly that the new message types come from the "Mobility Header

Types" registry

s/namespace/registry/ throughout?

There are redundant or conflicting instructions for adding new entries to specific registries and the blanket rules for "reserved values" in the last sentence

From section 7.1:

In the BRI message, the

initiator MUST set the Sequence Number field to the next sequence number available for Binding Revocation.

But section 6.1 includes "It could be a random number." in the definition

for

the sequence number field. These two definitions seem to be in conflict.

In section 7.2:

If a mobility node receives a Binding Revocation Indication message with the Revocation Trigger field is set to a value that NOT supported

I assume this should read "is NOT supported" (why is NOT capitalized?); does

this mean not supported by the receiving mobility node, not supported in the protocol, ???

In section 7.3, I assume retransmission only occurs when the sending mobility

entity set the A bit in the Binding Revocation Indication message?

Would it be possible to reorder the bits in the Indication and Ack messages so

the P, V and G bits fall in the same place in both messages?

I wonder if there is a potential for confusion about the inclusion of mobility options based on text in different parts of the doc. I think it would clarify the doc to give rules for mobility options in the specific sections describing the processing performed by the different mobility entities. That is, the blanket rules in sections 6.1 and 6.2 might be in conflict with specific rules, for example, in section 9.1.1. Unless there is some rule in sections 6.1 and 6.2 that apply universally to all messages, I suggest leaving out the options lists from those sections and put the explicit options in each of the appropriate subsections of sections 9, 10, 11 and 12.

Pasi Eronen:

Discuss [2009-08-26]:

I have reviewed draft-ietf-mext-binding-revocation-10, and have couple of questions/concerns that I'd like to discuss before recommending approval of the document.

Sections 9.1.1 and 10.1.1 seem to assume some kind of "wildcard" functionality for the Mobile Node Identifier Option, but I can't find any text specifying the exact syntax of those wildcards?

In several places, the text talks about mobile node's NAI -- does this specification requiring using Mobile Node Identifier Option subtype 1, or would it also work with other subtypes?

Adrian Farrel:

Comment [2009-08-25]:

Would it be wise to have IANA track the flags in the Binding Revocation Indication and Binding Revocation Acknowledgement messages?

Robert Sparks:

Discuss [2009-08-26]:

Agree with Pasi's discuss on wildcards.

I'm concerned about the new (is it new to the protocol suite?) semantic this document adds that allows revoking an implicit set rather than an explicit list of things. This seems to allow revoking things the element sending the BRI may not know about. It also seems to bring up harder questions of authorization policy that the document currently waves out of scope. Why isn't some discussion of the potential dangers of allowing example.net to indicate revocation of bindings related to example.com warranted?

^L

----- following is a DRAFT of message to be sent AFTER approval ----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mext mailing list <mext@ietf.org>,

mext chair <mext-chairs@tools.ietf.org>

Subject: Protocol Action: 'Binding Revocation for IPv6 Mobility' to Proposed Standard

The IESG has approved the following document:

- 'Binding Revocation for IPv6 Mobility '  
<draft-ietf-mext-binding-revocation-08.txt> as a Proposed Standard

This document is the product of the Mobility EXTensions for IPv6 Working Group.

The IESG contact persons are Jari Arkko and Ralph Droms.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-mext-binding-revocation-08.txt>

Technical Summary

This document defines a binding revocation mechanism to terminate a mobile node's mobility session and the associated resources. These semantics are generic enough and can be used by mobility entities in the case of Mobile IPv6 and its extensions. This mechanism allows the mobility entity which initiates the revocation procedure to request its corresponding one to terminate either one, multiple or all specified binding cache entries.

## Working Group Summary

This is a product of the MEXT WG. The document's progress was coordinated with the NETLMM WG.

## Document Quality

The mechanism specified by this document is relied upon by the Evolved Packet System developed by 3GPP and as thus will be implemented by 3GPP vendors.

## Personnel

Document Shepherd is Julien Laganier. The Sponsoring AD is Jari Arkko.

## RFC Editor Note

Change in the Abstract:

OLD:

These

semantics are generic enough and can be used by mobility entities in the case of Mobile IPv6 and its extensions. This mechanism allows the mobility entity which initiates the revocation procedure to request its corresponding one to terminate either one, multiple or all specified binding cache entries.

NEW:

This mechanism can be used both with base Mobile IPv6 and its extensions, such as Proxy Mobile IPv6. The mechanism allows the mobility entity which initiates the revocation procedure to request its peer to terminate either one, multiple or all specified binding cache entries.

## IRTF Note

(Insert IRTF Note here or remove section)

## IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 6 of 7

- o draft-ietf-vcarddav-webdav-mkcol-06.txt

Extended MKCOL for WebDAV (Proposed Standard)

Note: Julian Reschke <julian.reschke@greenbytes.de> agreed to shepherd the

document.

Token: Alexey Melnikov

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-vcarddav-webdav-mkcol-06.txt to Proposed Standard

-----

Evaluation for draft-ietf-vcarddav-webdav-mkcol-06.txt can be found at [https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=17286&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17286&rfc_flag=0)

Last Call to expire on: 2009-08-17

Please return the full line with your position.

Yes No-Objection Discuss Abstain

Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ X ]	[ ]	[ ]
Adrian Farrel	[ ]	[ X ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ X ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

vcarddav mailing list <vcarddav@ietf.org>,

vcarddav chair <vcarddav-chairs@tools.ietf.org>

Subject: Protocol Action: 'Extended MKCOL for WebDAV' to Proposed Standard

The IESG has approved the following document:

- 'Extended MKCOL for WebDAV '  
<draft-ietf-vcarddav-webdav-mkcol-05.txt> as a Proposed Standard

This document is the product of the vCard and CardDAV Working Group.

The IESG contact persons are Alexey Melnikov and Lisa Dusseault.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-vcarddav-webdav-mkcol-05.txt>

#### Technical Summary

This specification extends the Web Distributed Authoring and Versioning (WebDAV) MKCOL method to allow collections of arbitrary resourcetype to be created and to allow properties to be set at the same time. It avoids minting new MK\* methods (such as MKCALENDAR) for each new type of collection.

#### Working Group Summary

Process was smooth; the only early disagreement was about the scope of this document (whether it should apply to non-collection resources as well, and whether it should also setting ACLs). In the end, the WG converged on the minimal functionality needed to resolve the issue.

#### Document Quality

This protocol extension defined in this document is used by the VCARDDAV protocol (another deliverable of the Working Group), for which several vendors have announced support (for instance, Apple, and Viagenie).

#### Personnel

The Document Shepherd for this document was Julian Reschke, and the responsible Area Director is Alexey Melnikov.

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.1 WG Submissions

#### 2.1.1 New Item - 7 of 7

- o [draft-ietf-ntp-dhcpv6-ntp-opt-04.txt](#)

Network Time Protocol (NTP) Server Option for DHCPv6 (Proposed Standard)

Note: Brian Haberman ([brian@innovationslab.net](mailto:brian@innovationslab.net)) is the document

shepherd.

Token: Ralph Droms

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ntp-dhcpv6-ntp-opt-04.txt to Proposed Standard

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Evaluation for draft-ietf-ntp-dhcpv6-ntp-opt-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17276&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17276&rfc_flag=0)

Last Call to expire on: 2009-08-17

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ X ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ X ]	[ ]
Tim Polk	[ ]	[ ]	[ X ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Discuss [2009-08-25]:

This document will obsolete RFC 4075 (once approved). Please help

developers by including a section or appendix that summarizes the changes from RFC 4075 to this document.

Comment [2009-08-25]:

As pointed out in the Gen-ART Review by Sean Turner on 2009-08-12:

In section 4: s/To to enable/To enable/

Alexey Melnikov:

Discuss [2009-08-21]:

I only have a minor blocking comment on this document:

### 3. NTP Server Option for DHCPv6

[...]

The option itself does not contain any value. Instead, it contains one or several suboptions that carry NTP server or SNTP server configuration information. This option MUST include one, and only one, time source suboption. The currently defined time source suboptions are: NTP\_OPTION\_SRV\_ADDR, NTP\_OPTION\_SRV\_MC\_ADDR, NTP\_OPTION\_SRV\_FQDN. It carries the NTP server or SNTP server location, as a unicast or multicast IPv6 address or as an NTP server or SNTP server FQDN. More time source suboptions may be defined in the future.

The last sentence implies that this needs a new IANA registry, but this registry is not defined in the document.

Comment [2009-08-21]:

#### 3.3. NTP Server FQDN Suboption

FQDN: Fully Qualified Domain Name of the NTP server or SNTP server. This field MUST be encoded as described in [RFC3315], section 8.

I think this should be clearer that IDN names are not allowed here.

Tim Polk:

Discuss [2009-08-26]:

There are three issues I would like to address before this document is

published.

(1) This document is unclear with respect to the inclusion of other suboptions in addition to the one and only one time source suboption.

Section 2.1 indicates that only server location will be included:

While the NTP specification defines a comprehensive set of configuration parameters, modification of those parameters is best left to the decision of the client itself. The DHCPv6 option for NTP is then restricted to server location.

Section 3 indicates that all configuration information related to an NTP server will appear in suboptions, and implies that other suboptions could appear (beyond time source). From the first paragraph:

This option serves as a container for all the information related to one NTP server or SNTP server.

From the second paragraph:

The option itself does not contain any value. Instead, it contains one or several suboptions that carry NTP server or SNTP server configuration information. This option MUST include one, and only one, time source suboption.

Does the working group intend to limit the set of suboptions that can appear to the time source suboptions, or is it just that this is the only relevant suboption defined to date?

(2) There are two statements in section 2.1 that I could not wrap my brain around.

(2a) First, I had trouble with the second sentence of the first paragraph. The first two sentences are:

The NTP service is publicly offered on the Internet by a number of organizations. Those servers can be used but not abused, so any method which is tasked to disseminate locations of NTP Servers must act responsibly in a manner that does not lead to public server

overloading.

I actually believe that those servers *\*can\** be abused, and that abuse may be hard to correct with hardcoded configuration. This option is designed to support responsible use of these public resources. Is that what was meant here?

(2b) At the end of the second paragraph of section 2.1, the document states:

DNS can be used to redirect misconfigured clients to an unexisting IPv6 address instead of having to change the address of the NTP server itself.

What is an "unexisting IPv6 address"?

(3) In section 4, the FQDN example provides the exact encoding, but the unicast and multicast examples do not provide the encoding for the addresses. For consistency and utility, the unicast and multicast examples should provide the exact encoding.

Comment [2009-08-26]:

In addition to identifying items (2a) and (3) above, Glen Zorn's (late) secdir review dated August 24 provides some suggested wording changes. I would encourage the authors to review Glen's suggestions and incorporate those that they find helpful.

^L

---- following is a DRAFT of message to be sent AFTER approval ---  
From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
ntp mailing list <ntpwg@lists.ntp.isc.org>,  
ntp chair <ntp-chairs@tools.ietf.org>  
Subject: Protocol Action: 'Network Time Protocol (NTP) Server Option for  
DHCPv6' to Proposed Standard

The IESG has approved the following document:

- 'Network Time Protocol (NTP) Server Option for DHCPv6 '  
<draft-ietf-ntp-dhcpv6-ntp-opt-04.txt> as a Proposed Standard

This document is the product of the Network Time Protocol Working Group.

The IESG contact persons are Ralph Droms and Jari Arkko.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ntp-dhcpv6-ntp-opt-04.txt>

#### Technical Summary

This document defines a DHCPv6 option and associated suboptions to provide Network Time Protocol version 4 or greater configuration information to DHCPv6 hosts.

#### Working Group Summary

This document has received in-depth review from both the NTP and DHC working groups and has strong support for advancement.

#### Document Quality

#### Personnel

Brian Haberman <brian@innovationslab.net> is the document shepherd for this document.

Ralph Droms <rdroms@cisco.com> is the responsible AD.

#### RFC Editor Note

There are two references that are not cited in the text. These

references can be removed:

OLD:

[RFC4075] Kalusivalingam, V., "Simple Network Time Protocol (SNTP) Configuration Option for DHCPv6", RFC 4075, May 2005.

[RFC4330] Mills, D., "Simple Network Time Protocol (SNTP) Version 4 for IPv4, IPv6 and OSI", RFC 4330, January 2006.

NEW <no new text>:

IRTF Note

(Insert IRTF Note here or remove section)

IESG Note

(Insert IESG Note here or remove section)

IANA Note

(Insert IANA Note here or remove section)

#### 2.1.2 Returning Item

NONE

#### 2.2.1 New Item

NONE

### 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

#### 2.2 Individual Submissions

##### 2.2.2 Returning Item - 1 of 2

o draft-green-secsh-ecc-08.txt  
Elliptic-Curve Algorithm Integration in the Secure Shell Transport  
Layer  
(Proposed Standard)  
Note: Jeffrey Hutzelman (jhutz@cmu.edu) is document shepherd.  
Token: Tim Polk

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-green-secsh-ecc-08.txt to Proposed Standard  
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Evaluation for draft-green-secsh-ecc-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=15220&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15220&rfc_flag=0)

Last Call to expire on: 2009-08-10

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ X ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ X ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Pasi Eronen:

Discuss [2009-08-26]:

I have reviewed draft-green-secsh-ecc-08, and have couple of concerns that I'd like to discuss before recommending approval of the document:

Section 3.1.2, last paragraph, is not consistent with the definition of "mpint" type in RFC 4251, which specifies slightly different octet string encoding for integers.

In Section 6.1, the document doesn't tell which ASCII representation of OIDs is used. The reference [ASN1] usually uses space-separated ASCII representation, but the example in Section 6.3 suggests that dot-separated might be the intended one.

Russ Housley:

Comment [2009-08-25]:

Please consider the changes raised in the Gen-ART review by Miguel Garcia, which can be found here:

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t  
t

p://www.softarmor.com/rai/temp-gen-art/draft-green-secsh-ecc-08-garcia.txt

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Document Action: 'Elliptic-Curve Algorithm Integration  
in the Secure Shell Transport Layer' to Informational RFC

The IESG has approved the following document:

- 'Elliptic-Curve Algorithm Integration in the Secure Shell Transport Layer'  
<draft-green-secsh-ecc-02.txt> as an Informational RFC

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Tim Polk.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-green-secsh-ecc-02.txt>

## Technical Summary

This document describes algorithms based on Elliptic Curve Cryptography (ECC) for use within the Secure Shell (SSH) transport protocol. In particular, it specifies: Elliptic Curve Diffie-Hellman (ECDH) key agreement, Elliptic Curve Menezes-Qu-Vanstone (ECMQV) key agreement and Elliptic Curve Digital Signature Algorithm (ECDSA) for use in the SSH Transport Layer protocol.

## Working Group Summary

This document is the result an individual submission by members of the community interested in seeing support for use of ECC algorithms in the SSH protocol. While there is no active working group behind this work, it was extensively reviewed and discussed on the ietf-ssh mailing list, which was the home of the Secure Shell Working Group before that group concluded and still counts many of the participants of that working group among its members.

## Document Quality

While there are no existing implementations of this protocol, there has been indication of interest from SSH implementors.

## Personnel

The document shepherd for this document is Jeffrey Hutzelman  
The responsible Area Director is Tim Polk.

## RFC Editor Note

(Insert RFC Editor Note here or remove section)

## IESG Note

(Insert IESG Note here or remove section)

## IANA Note

(Insert IANA Note here or remove section)

## 2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet

infrastructure? If not, what changes would make it so?"

### 2.2 Individual Submissions

#### 2.2.2 Returning Item - 2 of 2

o draft-housley-iesg-rfc3932bis-08.txt

IESG Procedures for Handling of Independent and IRTF Stream Submissions

(BCP)

Note: There is no document shepherd

Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-housley-iesg-rfc3932bis-08.txt to BCP

-----

Evaluation for draft-housley-iesg-rfc3932bis-08.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=17615&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17615&rfc_flag=0)

Last Call to expire on: 2009-06-29

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ X ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ X ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ X ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]

Pasi Eronen	[ ]	[ X ]	[ ]	[ ]
Adrian Farrel	[ ]	[ X ]	[ . ]	[ ]
Russ Housley	[ ]	[ ]	[ ]	[ R ]
Cullen Jennings	[ ]	[ X ]	[ . ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ X ]	[ . ]	[ ]
Dan Romascanu	[ ]	[ X ]	[ . ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ X ]	[ ]	[ ]

Chris Newman	[ ]	[ X ]	[ ]	[ ]
Jon Peterson	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ X ]	[ ]	[ ]
David Ward	[ ]	[ X ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Jari Arkko:

Discuss [2009-08-13]:

Holding a Discuss until -08 is posted and the IESG (including Cullen) has had a chance to look at the document.

Ross Callon:

Comment [2008-12-04]:

I agree with the DISCUSS comments by Cullen and Dan, but will let them hold the DISCUSS votes.

Adrian Farrel:

Comment [2009-04-23]:

A bunch of comments. The RFC Editor might catch some of these, but not all. Check carefully because some of them have a subtle effect on the meaning.

#### 1. Abstract

The Abstract contains an unnecessary note to the RFC Editor

{ { { RFC Editor: Please change "RFC XXXX" to the number assigned to

this document prior to publication. }}}

There is no reference to "RFC XXXX" in the document.

2. Section 1

Documents published in streams other than the IETF Stream may not  
s/may/might/

3. Section 1

Once these procedures are fully adopted, the IESG will continue to be  
responsible only for checking for conflicts between the work of the  
s/will continue to be responsible only/will be responsible only/

4. Section 2

s/IRTF stream/IRTF Stream/

5. Section 3

s/publications as RFC/publication as RFCs/

6. Section 3

s/types of conclusions/types of conclusion/

7. Section 3

s/for <X>/for WG <X>/

8. General

Would be nice to consistent about "Independent Stream" or "Independent  
Submission Stream"

Dan Romascanu:

Comment [2008-12-04]:

The current combination of rfc3932bis and 'IAB Headers and Boilerplate'  
leaves  
out an important message that was included in the IESG Note.

Let us take the text for IRTF stream documents. The text in  
draft-iab-streams-headers-boilerplates-04.txt

> IRTF Stream: "This document is a product of the Internet Research  
Task Force (IRTF). The IRTF publishes the results of Internet-  
related research and development activities. These results might  
not be suitable for deployment. This document has been approved  
for publication by the IESG. It is not a product of the IETF and  
is therefore not a candidate for any level of Internet Standard;  
see section Section 2 of RFCXXXX."

is much weaker IMO than the text in the RFC 3932 IESG note:

- > This RFC is not a candidate for any level of Internet Standard. The IETF disclaims any knowledge of the fitness of this RFC for any purpose and in particular notes that the decision to publish is not based on IETF review for such things as security, congestion control, or inappropriate interaction with deployed protocols.

Missing to say 'is not based on IETF review' is essential IMO.

I sent a note to the IAB, as the fix should be in the IAB document.

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>

Subject: Protocol Action: 'IESG Procedures for Handling of  
Independent and IRTF Stream Submissions' to BCP

The IESG has approved the following document:

- 'IESG Procedures for Handling of Independent and IRTF Stream Submissions '  
<draft-housley-iesg-rfc3932bis-06.txt> as a BCP

This document has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact person is Jari Arkko.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-housley-iesg-rfc3932bis-06.txt>

## Technical Summary

This document is an update of the RFC 3932 rules about how IESG deals with independent submissions through the RFC editor. The update has become necessary due to the introduction of the IRTF document stream, and updates to the formatting of new RFCs, which make it clearer what their source is.

## Working Group Summary

This is not a WG output.

## Document Quality

This is a clarification of an existing BCP.

This document, in conjunction with its two companion documents, clarifies the IESG process for handling documents submitted for RFC publication on the Independent and IRTF streams. The removal of the IESG Note that is required by RFC 3932 is most welcome by authors of documents in these two RFC streams.

## Personnel

Jari Arkko has reviewed this specification for the IESG.

## RFC Editor Note

Please publish at the same time as these:

- draft-irtf-rfcs
- draft-iab-streams-headers-boilerplates

## IESG Note

(Insert IESG Note here or remove section)

## IANA Note

(Insert IANA Note here or remove section)

## 3. Document Actions

### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a

reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

3.1.1 New Item - 1 of 4

- o draft-ietf-behave-nat-behavior-discovery-07.txt  
NAT Behavior Discovery Using STUN (Experimental)  
Token: Magnus Westerlund

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-behave-nat-behavior-discovery-07.txt to  
Experimental RFC

-----

Evaluation for draft-ietf-behave-nat-behavior-discovery-07.txt can be  
found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?  
command=view\\_id&dTag=15728&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=15728&rfc_flag=0)

Last Call to expire on: 2009-03-31

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ X ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ X ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ X ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

## DISCUSSES AND COMMENTS:

=====

Lisa Dusseault:

Discuss [2009-08-10]:

This is a good document & I have a few comments. Most of the comments are minor; the question about discovering a STUN server with this new usage supported is probably the biggest issue. But it's probably not a blocking issue, so I plan to clear this DISCUSS and let the authors handle this input as they will, after getting a chance to discuss on the telechat.

Section 1.

Got really confused reading this paragraph for a number of reasons: agency, context, and obsolete references.

The applications of this STUN usage are very different than the original use of RFC3489 [RFC3489], which was intended for static determination of device behavior. The NAT Behavior Discovery STUN usage makes an explicit statement that it is not, and cannot be, correct 100% of the time, but is still very useful. More generally, one of the important differences between 3489 and ICE is that ICE ensures there is always a fallback to TURN, and thus avoids the problem experienced by 3489-based applications that tried to determine in advance whether they would need a relay and what their peer reflexive address will be, which are both impossible. This STUN usage requires an application using it to have a fallback, but unlike ICE's focus on the problems inherent in VoIP sessions, doesn't assume that it will only be used to establish a connection between a single pair of machines, and so alternative fallback mechanisms may make sense. For example, in a P2P application it may be possible to simply switch out of the role where such connections need to be established or to select an alternative indirect route if the peer discovers that, in practice, 10% of its connection attempts fail.

If I was able to interpret correctly, then this restatement *\*ought\** to be correct and provide a little more context. In addition, it reflects that

STUN

is now RFC5389, which probably needs to be fixed elsewhere too. "This STUN

usage" is also pretty hard to qualify when other STUN usages are also being

discussed ("the STUN usage defined in this specification" is clear but long), so

it would be good to give this STUN usage a name...?

The applications of this STUN usage differ from the original use of STUN (originally [RFC3489], now [RFC5389]). This specification

acknowledges that the information gathered in this usage is not, and cannot be,

correct 100% of the time, whereas STUN focused only on getting information that could be known to be correct and static.

This specification can also be compared to ICE. ICE avoids the problem experienced by applications using STUN to determine in advance whether they would need a relay and what their peer reflexive address will be, which are both impossible [are these really individually impossible or just impossible to do together or impossible to do in advance?]. ICE avoids

this problem by falling back to TURN, another usage of STUN.

ICE focuses on problems inherent in VoIP sessions, which require a connection between

a single pair of machines. The STUN

usage defined in this specification requires an application using it to have

a fallback, but doesn't assume

that it will only be used to establish a connection between a single pair of machines, and so alternative fallback mechanisms may make sense. For example, in a P2P application it may be possible to simply switch out of the role where such connections need to be established or to select an alternative indirect route if the peer discovers that, in practice, 10% of its connection attempts fail.

Section 2.

The acronym expansion for STUN has changed, it's Session Traversal Utilities,  
not Simple traversal Under.

"NAT/FW" is not defined... I assume this is "NAT/Firewall"?

Section 3.6 "3.6. Detecting Generic ALGs" --> define or expand ALG acronym

## Section 5.1

The first phrase in this section implies that the client could configured with a transport address to a STUN server supporting this usage, but how would it know? Couldn't it be configured with a transport address to a STUN server that does *\*not\** support the usage? Is there a way of testing support for this usage that can't be conflated with a NAT failure?

## Section 7.3

"It is useful for detecting twice NAT configurations." --> Should this be "double NAT configurations"?

Russ Housley:

Comment [2009-08-25]:

Please consider the changes raised in the Gen-ART review by Pete McCann. Pete reviewed -06, but the changes needed to address his comment were not made in -07. The review can be found here:

<http://www.softarmor.com/rai/temp-gen-art/draft-ietf-behave-nat-behavior-discovery-06-mccann.txt>

Robert Sparks:

Comment [2009-08-26]:

There are a few constants called out in the document (15 minutes for holding an unused port, not generating more than ten new transactions per second, etc.).

Providing some motivation for the values you chose would be useful.

In section 6.1, "ensure that it does not generate a Response on a particular address"

should be

"ensure that it does not generate a Response to a particular address"

The sentence after that would really benefit from simplification.

Nits: The end of section 2.2: "these two requirements" point back to a list of 3 things.

2nd paragraph of 4.5: "Section Section"

Just before 5.1: expand RTOs

^L

----- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

behave mailing list <behave@ietf.org>,

behave chair <behave-chairs@tools.ietf.org>

Subject: Document Action: 'NAT Behavior Discovery Using STUN' to Experimental RFC

The IESG has approved the following document:

- 'NAT Behavior Discovery Using STUN '

<draft-ietf-behave-nat-behavior-discovery-06.txt> as an Experimental RFC

This document is the product of the Behavior Engineering for Hindrance

Avoidance Working Group.

The IESG contact persons are Magnus Westerlund and Lars Eggert.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-behave-nat-behavior-discovery-06.txt>

Technical Summary

This specification defines an experimental usage of the Simple Traversal Underneath Network Address Translators (NAT) (STUN) Protocol that discovers the presence and current behaviour of NATs and firewalls between the STUN client and the STUN server.

Working Group Summary

The original intent was to publish this specification as Informational, but the working group decided Experimental would be a better track in order to more clearly convey the risky nature of attempting to determine a NAT's behavior.

Document Quality

Two vendors are known to implement it. The IETF last call draw a number of comments about its applicability and a number of details. My review of them looks like they have been resolved in a reasonable way.

Personnel

Dan Wing, [dwing@cisco.com](mailto:dwing@cisco.com) is the WG shepherd and Magnus Westerlund, [magnus.westerlund@ericsson.com](mailto:magnus.westerlund@ericsson.com) the responsible AD.

RFC Editor Note

(Insert RFC Editor Note here or remove section)

IRTF Note

(Insert IRTF Note here or remove section)

IESG Note

(Insert IESG Note here or remove section)

IANA Note

(Insert IANA Note here or remove section)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable contribution to the area of Internet engineering which it covers? If not, what changes would make it so?"

##### 3.1.1 New Item - 2 of 4

o draft-ietf-bmwg-mpls-forwarding-meth-05.txt  
MPLS Forwarding Benchmarking Methodology for IP Flows  
(Informational)

Token: Ron Bonica

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-bmwg-mpls-forwarding-meth-05.txt to  
Informational RFC

-----

Evaluation for draft-ietf-bmwg-mpls-forwarding-meth-05.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=17701&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=17701&rfc_flag=0)

Last Call to expire on:

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ ]	[ ]	[ ]
Ron Bonica	[ X ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]

Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ ]	[ X ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Ralph Droms:

Comment [2009-08-26]:

This sentence in Section 2 doesn't parse:

The fact that MPLS forwarding places a different burden on the resources of the network forwarding devices from that of IP forwarding, MPLS forwarding benchmarking specifics are desired.

Russ Housley:

Discuss [2009-08-25]:

Please see section 4 of this IESG statement:

<http://www.ietf.org/iesg/statement/ad-sponsoring-docs.html>

IETF Last Call is needed for this document.

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

bmwg mailing list <bmwg@ietf.org>,

bmwg chair <bmwg-chairs@tools.ietf.org>

Subject: Document Action: 'MPLS Forwarding Benchmarking Methodology for

IP  
Flows' to Informational RFC

The IESG has approved the following document:

- 'MPLS Forwarding Benchmarking Methodology for IP Flows '  
<draft-ietf-bmwg-mpls-forwarding-meth-05.txt> as an Informational RFC

This document is the product of the Benchmarking Methodology Working Group.

The IESG contact persons are Ron Bonica and Dan Romascanu.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-bmwg-mpls-forwarding-meth-05.txt>

(1.a) Who is the Document Shepherd for this document? Has the Document Shepherd personally reviewed this version of the document and, in particular, does he or she believe this version is ready for forwarding to the IESG for publication?

Al Morton, chair of BMWG, has personally reviewed the document and will be the document shepherd. The document is ready for publication.

(1.b) Has the document had adequate review both from key WG members and from key non-WG members? Does the Document Shepherd have any concerns about the depth or breadth of the reviews that have been performed?

Yes, this document has been refined in terms of its coverage and detail over the last 3 years, with good working group and external reviewer comments

and addressed. Since becoming a chartered working group item last year, the draft has seen two WGLCs with many additional & constructive comments.

The 2nd WGLC was cross-posted to the mpls WG list, and there was some feedback.

<http://www.ietf.org/mail-archive/web/mps/current/msg02827.html>

The last WGLC went quietly, indicating that the BMWG is now satisfied with the document.

(1.c) Does the Document Shepherd have concerns that the document needs more review from a particular or broader perspective, e.g., security, operational complexity, someone familiar with AAA, internationalization or XML?

No, this methodology appears to satisfy its stated scope, and has benefited

from the extensive review including those listed in the Acknowledgements section, and from a recently added co-author.

(1.d) Does the Document Shepherd have any specific concerns or issues with this document that the Responsible Area Director and/or the IESG should be aware of? For example, perhaps he or she is uncomfortable with certain parts of the document, or has concerns whether there really is a need for it. In any event, if the WG has discussed those issues and has indicated that it still wishes to advance the document, detail those concerns here. Has an IPR disclosure related to this document been filed? If so, please include a reference to the disclosure and summarize the WG discussion and conclusion on this issue.

No specific issues. Development of this draft has been smooth.  
No known IPR.

(1.e) How solid is the WG consensus behind this document? Does it represent the strong concurrence of a few individuals, with others being silent, or does the WG as a whole understand and agree with it?

There were some minor comments addressed as part of the third WGLC (mine),  
but otherwise the WG as a whole understands this draft and the need for it.  
WG commentary has been sufficiently active.

(1.f) Has anyone threatened an appeal or otherwise indicated extreme discontent? If so, please summarize the areas of conflict in separate email messages to the Responsible Area Director. (It should be in a separate email because this questionnaire is entered into the ID Tracker.)

No.

(1.g) Has the Document Shepherd personally verified that the document satisfies all ID nits? (See <http://www.ietf.org/ID-Checklist.html> and <http://tools.ietf.org/tools/idnits/>). Boilerplate checks are not enough; this check needs to be thorough. Has the document met all formal review criteria it needs to, such as the MIB Doctor, media type and URI type reviews?

The draft passes all nits checks, except for one false alarm:  
== There are 1 instance of lines with non-RFC3330-compliant IPv4 addresses  
in the document. If these are example addresses, they should be changed.

which seems to be related to a section number reference on separate

lines:

port(s) Bp. The frame may contain either an IP packet or an MPLS packet depending on the testcase need, as described in the Section 4.1.4.3. Furthermore, the IP packet must be either an IPv4 or IPv6  
^^^^^^

(1.h) Has the document split its references into normative and informative? Are there normative references to documents that are not ready for advancement or are otherwise in an unclear state? If such normative references exist, what is the strategy for their completion? Are there normative references that are downward references, as described in [RFC3967]? If so, list these downward references to support the Area Director in the Last Call procedure for them [RFC3967].  
No downward references.

(1.i) Has the Document Shepherd verified that the document IANA consideration section exists and is consistent with the body of the document? If the document specifies protocol extensions, are reservations requested in appropriate IANA registries? Are the IANA registries clearly identified? If the document creates a new registry, does it define the proposed initial contents of the registry and an allocation procedure for future registrations? Does it suggest a reasonable name for the new registry? See [RFC5226]. If the document describes an Expert Review process has Shepherd conferred with the Responsible Area Director so that the IESG can appoint the needed Expert during the IESG Evaluation?  
Yes.

(1.j) Has the Document Shepherd verified that sections of the document that are written in a formal language, such as XML code, BNF rules, MIB definitions, etc., validate correctly in an automated checker?  
Not Applicable.

(1.k) The IESG approval announcement includes a Document Announcement Write-Up. Please provide such a Document Announcement Write-Up? Recent examples can be found in the "Action" announcements for approved documents. The approval announcement contains the following sections:

#### Technical Summary

Over the past several years, there has been an increase in the use of MPLS as a forwarding architecture in new and existing network designs. However, there is no standard method defined to compare

and contrast

the foundational MPLS packet forwarding capabilities of network devices. This document specifies a methodology using common criteria (such as throughput, latency, frame loss rate, system recovery, reset etc.) to evaluate MPLS forwarding of any implementation.

The purpose of this document is to describe a methodology specific to the benchmarking of MPLS forwarding devices. The methods described are limited in scope to the most common MPLS packet forwarding scenarios and corresponding performance measurements in a laboratory setting. This document focuses on the MPLS label stack having only one entry, as it is the fundamental of MPLS forwarding.

#### Working Group Summary

Development of this memo was smooth.

The memo has been refined in terms of its coverage and detail over the last 3 years, with good working group and external reviewer comments addressed.

#### Document Quality

The authors are not aware of fully functional implementation of this method, although a number of test tool vendors are considering it, with variable levels of commitment. Many WG members have thoroughly reviewed this

memo. Reviewers of previous versions include: Carlos Pignataro, Rodney Dunn, Scott Bradner, and Bill Cervený.

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.1.1 New Item - 3 of 4

- o draft-ietf-mext-aero-reqs-04.txt

Network Mobility Route Optimization Requirements for Operational Use  
in

Aeronautics and Space Exploration Mobile Networks (Informational)  
Note: Document Shepherd is Marcelo Bagnulo Braun  
<marcelo@it.uc3m.es>

Token: Jari Arkko

To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Evaluation: draft-ietf-mext-aero-reqs-04.txt to Informational RFC

-----

Evaluation for draft-ietf-mext-aero-reqs-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view\\_id&dTag=16799&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16799&rfc_flag=0)

Last Call to expire on: 2009-08-19

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ X ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS:

=====

Russ Housley:

Comment [2009-08-25]:

Please consider the comments in the Gen-ART Review by Vijay Gurbani posted on 20-Aug-2009:

- 1) What is the "Gatelink system"? There are at least two instances of it in the draft. Any reference or a short sentence describing this would help the reader not verbose in this particular domain.
- 2) Missing closing bracket ')' in Section 2.1.1, third paragraph, third line; i.e., should be "... in Appendix A.)"

^L

---- following is a DRAFT of message to be sent AFTER approval ---

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

mext mailing list <mext@ietf.org>,

mext chair <mext-chairs@tools.ietf.org>

Subject: Document Action: 'Network Mobility Route Optimization Requirements for Operational Use in Aeronautics and Space Exploration Mobile Networks' to Informational RFC

The IESG has approved the following document:

- 'Network Mobility Route Optimization Requirements for Operational Use in Aeronautics and Space Exploration Mobile Networks ' <draft-ietf-mext-aero-reqs-04.txt> as an Informational RFC

This document is the product of the Mobility EXTensions for IPv6 Working Group.

The IESG contact persons are Jari Arkko and Ralph Droms.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-mext-aero-reqs-04.txt>

Technical Summary

This document describes the requirements and desired properties of Network Mobility (NEMO) Route Optimization techniques for use in global networked communications systems for aeronautics and space exploration.

## Working Group Summary

This is product of the MEXT WG.

## Document Quality

Substantial input to these requirements was given by aeronautical communications experts outside the IETF, including members of the International Civil Aviation Organization (ICAO) and other aeronautical communications standards bodies.

## Personnel

The Document Shepherd is Marcelo Braun, and the responsible Area Director is Jari Arkko.

## RFC Editor Note

Please change the following:

OLD:

(e.g. the Gatelink system)

NEW:

(e.g. local networks available while on a gate)

OLD:

(currently on the surface when connected to a wired Gatelink system)

NEW:

(currently on the surface when connected to a wired link at a gate)

OLD:

(link technologies and acronyms are briefly defined in Appendix A.

NEW:

(link technologies and acronyms are briefly defined in Appendix A).

OLD:

rouge

NEW

rogue

## IRTF Note

(Insert IRTF Note here or remove section)

#### IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

##### 3.1.1 New Item - 4 of 4

- o draft-ietf-pwe3-mpls-transport-04.txt

Application of Ethernet Pseudowires to MPLS Transport Networks  
(Informational)

Note: Matthew Bocci (matthew.bocci@alcatel-lucent.com) is the document

shepherd

Token: Ralph Droms

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-pwe3-mpls-transport-04.txt to  
Informational RFC

-----

Evaluation for draft-ietf-pwe3-mpls-transport-04.txt can be found at  
[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16038&rfc_flag=0)  
[command=view\\_id&dTag=16038&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16038&rfc_flag=0)

Last Call to expire on: 2009-07-22

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ ]	[ X ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ ]	[ ]	[ ]	[ ]
Ralph Droms	[ X ]	[ ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ X ]	[ ]
Russ Housley	[ ]	[ X ]	[ ]	[ ]
Cullen Jennings	[ ]	[ ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ X ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ ]	[ ]
Dan Romascanu	[ ]	[ ]	[ X ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Adrian Farrel:

Discuss [2009-08-12]:

Discuss-Discuss

Despite the fact that I *\*hate\** the concept of a Discuss-Discuss, I want to have a discussion on the telechat with the rest of the IESG before we proceed with this draft. I hope to remove this part of the Discuss during the call without the need for involvement of the document shepherd or the authors.

The MPLS-TP work is pretty sensitive both from inter-SDO politics and for commercial reasons. This draft dates back to a time before the current cooperative agreement between the IETF and ITU-T to work jointly on MPLS-TP. The draft was originally conceived to demonstrate that (some of) the requirements of MPLS-TP could be met using existing MPLS and pseudowire tools.

It has been last called on the PWE3 WG mailing list, and was also last

called to the MPLS WG list, but it did not form part of the MPLS-TP effort.

I want to be sure that this work is necessary and politically advisable, as well not conflicting with the MPLS-TP work. This is notwithstanding the text in Section 1 that says:

It is recognised that  
it is possible to design a more efficient method of satisfying the requirements, and the IETF anticipates that improved solutions will be proposed in the future.

- - - -

Discuss

Section 1 references requirements 30 and 31 in I-D.ietf-mpls-tp-requirements. The requirements numbering must have changed since this was written. You probably mean 31 and 32.

Russ Housley:

Comment [2009-08-13]:

The Gen-ART Review by Gonzalo Camarillo on 20-Jul-2009 includes a few things that should be considered:

All acronyms need to be expanded on their first use. This includes the title and the abstract of the draft.

Generally, abstracts should not contain references. I suggest removing the reference to RFC 4448 from it.

Dan Romascanu:

Discuss [2009-08-12]:

This is a DISCUSS-DISCUSS which I plan to clear after or during the telechat after making sure that the IESG debated all aspects of the decision to approve this RFC as Informational. Sections 2, 3 and 4 seem to include normative text, requirements, and even more - usage of control words, provisioning methods, etc.

I understand that requirements in PWE3 are being described by Informational RFCs

in PWE3 but in this case we are discussing about using PWE3 transport for MPLS-TP. Are we not going to be in the situation that these documents need to be PS or BCP?

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>  
To: IETF-Announce <ietf-announce@ietf.org>  
Cc: Internet Architecture Board <iab@iab.org>,  
RFC Editor <rfc-editor@rfc-editor.org>,  
pwe3 mailing list <pwe3@ietf.org>,  
pwe3 chair <pwe3-chairs@tools.ietf.org>  
Subject: Document Action: 'Application of Ethernet Pseudowires to MPLS Transport Networks' to Informational RFC

The IESG has approved the following document:

- 'Application of Ethernet Pseudowires to MPLS Transport Networks ' <draft-ietf-pwe3-mpls-transport-04.txt> as an Informational RFC

This document is the product of the Pseudowire Emulation Edge to Edge Working Group.

The IESG contact persons are Ralph Droms and Jari Arkko.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-pwe3-mpls-transport-04.txt>

#### Technical Summary

A requirement has been identified by the operator community for the transparent carriage of the MPLS(-TP) network of one party over the MPLS(-TP) network of another party. This document describes a method of satisfying this need using the existing PWE3 Ethernet pseudowire standard RFC4448.

#### Working Group Summary

The draft originated as a response to the work that was then going

on in the ITU to apply MPLS to transport networks. It reflected a desire to illustrate how IETF defined pseudowires could be applied to the problem of packet transport. Since that time, the development of MPLS-TP has proceeded in the IETF in close cooperation with the ITU-T. This draft addresses a sub-set of the MPLS-TP requirements using a limited set of existing MPLS and Pseudowire functionality, as defined in the IETF, but is not intended as a comprehensive standard for MPLS-TP per-se. The draft was widely reviewed by participants in the IETF MPLS-TP effort, as well as the MPLS and PWE3 WGs.

#### Document Quality

There are no concerns about protocol quality. There are understood to be implementations of this protocol.

#### Personnel

Who is the Document Shepherd for this document? Who is the Responsible Area Director? If the document requires IANA experts(s), insert 'The IANA Expert(s) for the registries in this document are <TO BE ADDED BY THE AD>.'

#### RFC Editor Note

(Insert RFC Editor Note here or remove section)

#### IRTF Note

(Insert IRTF Note here or remove section)

#### IESG Note

(Insert IESG Note here or remove section)

#### IANA Note

(Insert IANA Note here or remove section)

### 3. Document Actions

#### 3.1 WG Submissions

Reviews should focus on these questions: "Is this document a reasonable

contribution to the area of Internet engineering which it covers?

If

not, what changes would make it so?"

#### 3.1.2 Returning Item - 1 of 1

o draft-ietf-ospf-manet-or-02.txt

Extensions to OSPF to Support Mobile Ad Hoc Networking  
(Experimental)

Token: Ross Callon

To: Internet Engineering Steering Group <iesg@ietf.org>

From: IESG Secretary <iesg-secretary@ietf.org>

Reply-To: IESG Secretary <iesg-secretary@ietf.org>

Subject: Evaluation: draft-ietf-ospf-manet-or-02.txt to Experimental RFC

-----

Evaluation for draft-ietf-ospf-manet-or-02.txt can be found at

[https://datatracker.ietf.org/cgi-bin/idtracker.cgi?](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16923&rfc_flag=0)

[command=view\\_id&dTag=16923&rfc\\_flag=0](https://datatracker.ietf.org/cgi-bin/idtracker.cgi?command=view_id&dTag=16923&rfc_flag=0)

Last Call to expire on: 2008-12-24

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Jari Arkko	[ X ]	[ ]	[ ]	[ ]
Ron Bonica	[ ]	[ ]	[ ]	[ ]
Ross Callon	[ X ]	[ ]	[ ]	[ ]
Ralph Droms	[ ]	[ X ]	[ ]	[ ]
Lisa Dusseault	[ ]	[ ]	[ ]	[ ]
Lars Eggert	[ ]	[ X ]	[ ]	[ ]
Pasi Eronen	[ ]	[ X ]	[ ]	[ ]
Adrian Farrel	[ ]	[ ]	[ ]	[ ]
Russ Housley	[ ]	[ X ]	[ . ]	[ ]
Cullen Jennings	[ ]	[ X ]	[ ]	[ ]
Alexey Melnikov	[ ]	[ ]	[ ]	[ ]
Tim Polk	[ ]	[ ]	[ X ]	[ ]
Dan Romascanu	[ ]	[ ]	[ ]	[ ]
Robert Sparks	[ ]	[ X ]	[ ]	[ ]
Magnus Westerlund	[ ]	[ X ]	[ ]	[ ]

Chris Newman	[ ]	[ X ]	[ ]	[ ]
Mark Townsley	[ ]	[ X ]	[ ]	[ ]
David Ward	[ X ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs, with no "Discuss" positions, are needed for approval.

#### DISCUSSES AND COMMENTS:

=====

Jari Arkko:

Comment [2009-01-15]:

- > Note that the active overlapping relays selection algorithm is
- > implementation specific, and the above is simply a suggested
- > algorithm. However, the behavior of the overlapping relays MUST
- > follow that specified in the "Flooding and Relay Decisions" Section.
- > Moreover, the same selection algorithm MUST be used by all nodes
- > within an area.

This should be raised earlier in the document. As written, the spec does not provide an interoperable solution. This may not be required for an experimental specification, but at the very least the reader should know about this after reading the introduction.

- > attached to the broadcast network. Such designated routers must be

typo

Thomas Narten's quick review reaction was this:

When you do incremental updates, there are all sorts of failure edge cases. Its a lot like how to correctly do a sliding window protocol. Just skimming the document, its not presented in a way that explains the basic idea behind the details. For correctness, you need equivalent of 3 way handshake to be sure both sides are synchronized w.r.t. shared state.

Ross Callon:

Comment [2009-01-15]:

I think that it is very unfortunate that we can't agree on one single standards track approach for supporting MANET networks with OSPF. However, I

understand

the difficulty here, and under the circumstances probably the least bad approach is to progress all three as experimental, and then hope to sort out

differences with the aid of operational experience.

Ralph Droms:

Comment [2009-08-26]:

It's only necessary to cite the reference for a citation to a doc on first

mention; reading, e.g., "...modifications to [OSPFv3] to support..." throughout

the doc is distracting.

Acronym expansion for LSA?

Are there some links missing or other typos in this network map?

```

+----+I11          I21+----+I23  |
|RT1|+-----+--|RT2|-----|N1
+----+ |          | +----+      |
|          |      | VI22
|          |      |  +
|          |      |  |
|          |      |  |
|          |      |  |
|          |      |  |
|          |      |  +
|          |      | ^I41
+----+ |          +----+
|RT3|+--          +-|RT4|
+----+I31        I42+----+
```

E.g., should the leftmost vertical bars be shifted right 6 or so spaces?

Tim Polk:

Discuss [2009-01-15]:

Ran Canetti provided significant comments in a secdir review that was posted on 2 January 2009. There has been no response to this review. Please respond to these Last Call comments.

^L

----- following is a DRAFT of message to be sent AFTER approval -----

From: The IESG <iesg-secretary@ietf.org>

To: IETF-Announce <ietf-announce@ietf.org>

Cc: Internet Architecture Board <iab@iab.org>,

RFC Editor <rfc-editor@rfc-editor.org>,

ospf mailing list <ospf@ietf.org>,

ospf chair <ospf-chairs@tools.ietf.org>

Subject: Document Action: 'Extensions to OSPF to Support Mobile  
Ad Hoc Networking' to Experimental RFC

The IESG has approved the following document:

- 'Extensions to OSPF to Support Mobile Ad Hoc Networking '  
<draft-ietf-ospf-manet-or-01.txt> as an Experimental RFC

This document is the product of the Open Shortest Path First IGP Working Group.

The IESG contact persons are David Ward and Ross Callon.

A URL of this Internet-Draft is:

<http://www.ietf.org/internet-drafts/draft-ietf-ospf-manet-or-01.txt>

#### Technical Summary

This document describes extensions to OSPF to support mobile ad hoc networks (MANETs). The extension, called OSPF-OR, includes a mechanism for link-local signaling, a OSPF-MANET interface, a simple technique to reduce the size of Hello packets by only transmitting incremental state changes, and a method for optimized flooding of routing updates.

#### Working Group Summary

The OSPF WG was unable to reach consensus on a single MANET OSPF approach and agreed to go forward with the three competing approaches as experimental RFCs.

#### Document Quality

Passed idnits. The document has been updated in response to Gen-Art and Sec-Dir comments. The protocol in this document has been simulated, and there are at least two implementations (see PROTO writeup by Acee Lindem in the I.D. Tracker).

## Personnel

Dave Ward was the original responsible AD. Ross Callon is the current responsible AD. Acee Lindem is the Document Shepherd.

### 3.2.1 New Item

NONE

### 3.2.2 Returning Item

NONE

### 3.3.1 New Item

NONE

### 3.3.2 Returning Item

NONE

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o SIP Common Log Format (clf) - 1 of 1  
Token: Robert Sparks

SIP Common Log Format (clf)

-----  
Current Status: Proposed Working Group

Last Modified: 2009-08-24

Chair(s):

TBD

Real-time Applications and Infrastructure Area Director(s):

Robert Sparks <rjsparks@nostrum.com>

Cullen Jennings <fluffy@cisco.com>

Real-time Applications and Infrastructure Area Advisor:

TBD

Mailing Lists:

TBD

Description of Working Group:

The SIP Common Log Format (CLF) working group is chartered to define a standard logging format for systems processing SIP messages.

Well-known web servers such as Apache and web proxies like Squid support event logging using a common log format. The logs produced using these de-facto standard formats are invaluable to system administrators for trouble-shooting a server and tool writers to craft tools that mine the log files to produce reports and trends and to search for a certain message or messages, a transaction or a related set of transactions. Furthermore, these log records can also be used to train anomaly detection systems and feed events into a security event management system.

The Session Initiation Protocol does not have a common log format. Diverse elements provide distinct log formats making it complex to produce tools to analyze them.

The CLF working group will produce a format suitable for logging from any SIP element. The working group will take into account

- \* the need to search, merge, and summarize the log records from one or more possibly diverse elements.

- \* the need to correlate messages from multiple elements related to a given request (that may fork) or a given dialog.

The format will take SIP's extensibility into consideration, providing a way to represent SIP message components that are defined in the future. The format will anticipate being used both for off-line analysis and on-line real-time processing applications. The working group will consider the need for efficient creation of records and the need for efficient processing of the records.

The working group will identify the fields to appear in a log record and provide one or more formats for encoding those fields. The working group is not pre-constrained to producing either a bit-field oriented or text-oriented format, and may choose to provide both. If the group chooses to specify both, it must be possible to mechanically translate between the formats without loss of information.

Specifying the mechanics of exchanging, transporting, and storing SIP Common Log Format records is explicitly out of scope. However, the working group will document as part of the definition of the log record format:

- \* operational guidance considering log file management addressing size, rollover, aggregation and filtering.
- \* guidance for correlating SIP CLF records with events reported via other log mechanisms such as syslog or SNMP traps.
- \* security guidance for storage, access, and transporting SIP CLF log records, addressing information privacy

The group will generate:

- A problem statement enunciating the motivation, and use cases for a SIP Common Log Format. This analysis will identify the required minimal information that must appear in any record.
- A specification of the SIP Common Log Format record

#### Goals and Milestones

TBD - Problem statement, motivation, and use cases WGLC  
TBD - Problem statement, motivation, and use cases to IESG (Informational)  
TBD - SIP Common Log Format specification WGLC  
TBD - SIP Common Log Format specification to IESG (PS)

#### 4. Working Group Actions

##### 4.1 WG Creation

##### 4.1.2 Proposed for Approval

- o Multicast Mobility (multimob) - 1 of 1  
Token: Jari Arkko

#### Mobility Multicast (multimob)

-----  
Current Status: Proposed Working Group  
Last Modified: 2009-08-07

Chairs:  
TBD

Internet Area (int) Directors:

Jari Arkko <jari.arkko@piuha.net>  
Ralph Droms <rdroms@cisco.com>

Internet Area Advisor:  
Jari Arkko <jari.arkko@piuha.net>

Mailing Lists:  
General Discussion: [multimob@ietf.org](mailto:multimob@ietf.org)  
Subscribe online at: <https://www1.ietf.org/mailman/listinfo/multimob>

## Description of Working Group

The Multicast mobility (multimob) working group provides guidance for supporting multicast in a mobile environment. The scope of work will be limited to Proxy Mobile IPv6, MLD/IGMP protocols and listener mobility. Work requiring modifications to mobility protocols, MLD/IGMP, and multicast routing protocols is out of scope in this first stage of this working group.

Specific goals are:

- Document how multicast can be supported in a Proxy Mobile IPv6 environment
- Document the configuration of IGMP/MLD in mobile environments

The Proxy Mobile IPv6 (PMIPv6) specification as defined in RFC 5213 does not describe how to support multicast. Some forms of multicast support can, however, be built in the involved nodes by using existing capabilities of multicast protocols and the underlying mobility protocols. The first task of the working group is to document such solutions for PMIPv6. This work will not require any additions or changes to message types and parameters specified in RFC 5213, and will assume an unmodified mobile host. The work will employ the remote subscription model. This is mechanism by which a mobile node joins a multicast group and receives multicast data forwarded via the local mobility anchor.

IGMPv3/MLDv2 has been specified for wired networks with shared links. Mobile nodes have needs that are specific to wireless networks and mobility (e.g. entering a dormant mode to conserve battery power, minimizing the latency for joining and leaving a group in support of movement).

The second task of the WG is to assess existing solutions for group management, and determine to what extent these methods are sufficient in a mobile environment. This will include recommending appropriate selection of timer values and protocol parameters.

In performing its work, the working group will work closely with both the mobility community (NETLMM and NETEXT WGs) and the multicast community (MBONED WG). The group will consider both source specific multicast and any source multicast models.

Future work, subject to rechartering, may study/evaluate extensions to support PMIPv6 optimizations to address the avalanche problem and fast handover and extensions to IGMPv3/MLDv2 to support better operation in mobile environments.

#### Milestones:

Nov 2009 Initial version of a document explaining the use of multicast in PMIPv6

Nov 2009 Initial version of a document on how to tune IGMP/MLD for mobility

Feb 2010 Submit a document explaining the use of multicast in PMIPv6, for publication as either Informational or Best Current Practice

Feb 2010 Submit a document on how to tune IGMP/MLD for mobility, for publication as either Informational or Best Current Practice

Mar 2010 Recharter for additional optimization work involving extensions to PMIPv6, IGMPv3, or MLDv2

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.1 Under evaluation for IETF Review

NONE

#### 4. Working Group Actions

##### 4.2 WG Rechartering

###### 4.2.2 Proposed for Approval

- o Internationalized Domain Names in Applications, Revised (idnabis) -

1

of 2

Token: Lisa Dusseault

Internationalized Domain Names in Applications, Revised (idnabis)

-----

Last Modified: 2009-08-10

Additional information is available at [tools.ietf.org/wg/idnabis](http://tools.ietf.org/wg/idnabis)

#### Chair(s):

- Vinton Cerf <[vint@google.com](mailto:vint@google.com)>

Applications Area Director(s):

- Lisa Dusseault <lisa.dusseault@gmail.com>
- Alexey Melnikov <alexey.melnikov@isode.com>

Applications Area Advisor:

- Lisa Dusseault <lisa.dusseault@gmail.com>

Mailing Lists:

General Discussion: [idna-update@alvestrand.no](mailto:idna-update@alvestrand.no)

To Subscribe: <http://www.alvestrand.no/mailman/listinfo/idna-update>

Archive: <http://www.alvestrand.no/pipermail/idna-update/>

Description of Working Group:

The original Internationalized Domain Name (IDN) WG specified rules for the use of characters other than Latin A(a)-Z(z), digits 0-9 and the hyphen (-) in domain names in RFC3490, RFC3491 and RFC3492 in 2002 (published in 2003 and often referenced collectively as "IDNA2003").

These documents depend on RFC 3454 and were tied to Unicode version 3.2. An update to the current version (5.x) is required to accommodate additional scripts. In addition, experience has shown that significant improvements could be made in the protocol as presently specified.

This WG is chartered to decouple IDNA from specific versions of Unicode using algorithms that define validity based on Unicode properties. It is recognized that some explicit exceptions may be necessary in any case, but attempts will be made to minimize these exceptions.

Additional goals:

- Separate requirements for valid IDNs at registration time (insertion of names into DNS zone files), vs. at resolution time (looking up those names)
- Review, and if necessary revise, the algorithms and rules for handling right to left character sequences in an IDN context to allow labels based on additional scripts and languages and to make presentation as predictable as reasonably possible.
- Permit use of some scripts that were inadvertently excluded by the original protocols.
- Ensure practical stability of validity algorithms for IDNs.

The constraints of the original IDN WG still apply to IDNABIS, namely to avoid disturbing the current use and operation of the domain name system, and for the DNS to continue to allow any system to resolve any

domain name in a consistent way. The client-based approach of the original IDN work will be maintained -- substantially new protocols or mechanisms are not in scope. In particular, IDNs continue to use the "xn--" prefix and the same ASCII-compatible encoding, and the bidirectional algorithm follows the same basic design.

The specifications are initially organized as four documents: overview and rationale, protocol, table algorithm, and improvements to the bidirectional algorithm. These documents are to be used as the basis for the discussion of the general direction of the work.

This working group will be providing extended public review of the output of a design team that has been working on improvement of the IDNA specifications.

This review-based approach is being used in part because of the way the work was undertaken by the team; in particular, the design team has been working with IETF visibility and has solicited and received significant amounts of technical review already from IETF participants and from others including experts in the Unicode specifications and the use of scripts in languages. If the public review provided by this Working Group confirms the basic method outlined in the input documents, it is expected that the working group will be able to respond with any needed changes and close in a short period of time. If technical issues arise that indicate a fundamentally different approach must be taken from the one outlined above, it is anticipated that this working group would close, and a new one with an appropriate charter would be considered.

This work is intended to specify an improved means to produce and use stable and unambiguous IDN identifiers.

There are a variety of generally unsolvable problems, notably the problem of characters that are confusingly similar in appearance (often known as the "phishing" problem) that are not specifically part of the scope of the WG although some of the preliminary results of the design team suggest that the improvements contemplated in the specifications might mitigate some of the ways in which the current IDNA specifications can be abused for phishing purposes.

While it is referenced from the original IDNA2003 package, the original Stringprep specification, RFC 3454, is not formally part of the IDNA package and will not be altered by this work.

The work will update or obsolete RFC 3490. It is not expected to continue to use Nameprep (RFC 3491). Nameprep is used by other

specifications; determining how (or whether) to update those specifications and, consequently, the long-term status of Nameprep, are not part of this effort. The method for ASCII-compatible ("ACE") encoding of IDNs, "Punycode" (RFC 3492) will not be revised by this WG.

Subject to the more general constraints described above, the WG is permitted to consider changes that are not strictly backwards-compatible. For any such change that is recommended, it is expected to document the reasons for the change, the characters affected, and possible transition strategies.

The assumptions outlined above are considered critical to the WG constituted by this charter. The WG will stop work and recommend that a new charter be generated if it concludes that any of the following are necessary to meet its goals:

- (i) A change to the "punycode" algorithm or to the ACE approach to encoding names in the DNS.
- (ii) A change to the ACE prefix from "xn--"
- (iii) A change to the basic approach taken in the design team documents (Namely: independence from Unicode version and reduction of dependency on character mapping )

#### Goals and Milestones:

Apr 2008	WG formation
May 2008	Decision on form and structure of the WG document set
Sep 2008	WG Last Call on WG document set
Nov 2008	IETF Last Call on WG document set

## 4. Working Group Actions

### 4.2 WG Rechartering

#### 4.2.2 Proposed for Approval

- o DNS Extensions (dnstxt) - 2 of 2
- Token: Ralph Droms

DNS Extensions Working group (dnstxt)

-----

Last Modified: 2009-06-24

Current Status: Active Working Group

#### Chair(s):

Olafur Gudmundsson <ogud@ogud.com>

Andrew Sullivan <ajs@shinkuro.com>

Internet Area Director(s):  
Ralph Droms <rdroms@cisco.com>  
Jari Arkko <jari.arkko@piuha.net>

Internet Area Advisor:  
Ralph Droms <rdroms@cisco.com>

Mailing Lists:  
General Discussion: [namedroppers@ops.ietf.org](mailto:namedroppers@ops.ietf.org)  
To Subscribe: [namedroppers-request@ops.ietf.org](mailto:namedroppers-request@ops.ietf.org)  
Archive: <http://ops.ietf.org/lists/namedroppers/>

#### Description of Working Group:

The DNS has a large installed base and repertoire of protocol specifications. The DNSEXT WG group will actively advance DNS protocol-related RFCs on the standards track while thoroughly reviewing further proposed extensions. The scope of the DNSEXT WG is confined to the DNS protocol, particularly changes that affect DNS protocols "on the wire" or the internal processing of DNS data. DNS operations are out of scope for the WG.

The WG will limit itself to review of proposals for new extensions and clarification to the DNS protocol, including DNSSEC. Adoption of new work targeted for standards track will require changes to this charter.

The working group can nevertheless undertake work in following subjects without a charter change:

- DNSSEC and TSIG/TKEY algorithm maintenance
- Hardening DNS protocol and providing guidance to implementors
- Examining transport protocols possibly adding new ones.
- Advancing existing Proposed Standard RFCs to Draft/Full Standard
- Obsoleting RFCs.

Before formal adoption of any such items at least 5 working group participants must publicly state that the item is within charter and is worthwhile item for further study.

The DNSEXT WG will conduct the specified RFC5395 review of RR templates as they are posted, and EDNS0 Option templates if EDNS0-bis updates registration requirements.

The WG will review DNS protocol related work which may originate elsewhere in the IETF, including AD-sponsored submissions or drafts

in other working group. The WG does not intend to hold face to face meetings, though may do so if deemed necessary for resolution of a specific issue at hand.

#### Milestones:

Jul 2009 TSIG/MD5 Obsoleting to IESG.  
Jul 2009 RSA/SHA256 to IESG.  
Aug 2009 AXFR Clarify to IESG.  
Sep 2009 EDNS0 Ping Option advanced to IESG  
Oct 2009 Resolver side Forgery Resilience advanced to IESG  
Oct 2009 DNSSEC Errata document to IESG  
Nov 2009 GOST DNSKEY and DS support advanced to IESG  
Dec 2009 EDNS0-bis update advanced to IESG  
Feb 2010 DNS existing transport protocol recommendations/  
clarifications  
to IESG  
Jun 2010 DNS <new> transport protocol specification

## 5. IAB News We Can Use

### 6. Management Issues

#### 6.1 Tracking changes to WG charters (Alexey Melnikov)

Spencer Dawkins <spencer@wonderhamster.org> wrote:

I can't think of ANYONE who wouldn't be better off if we published deltas for WG charter revisions when we ask for comments. We can each trivially produce our own deltas, but if you want feedback from the community, providing deltas is likely to get more (and more helpful) feedback.

#### 6.2 Should ADs have access to passwords to mailing lists for their respective areas? (Alexey Melnikov)

#### 6.3 Two chairs from the same company (Dan Romascanu)

Following my AI from the previous telechat, here is a first try for a paragraph dealing with the 'both co-chairs from the same company' issue on the IESG wiki. I believe that the appropriate place would be at the end of the first section dealing with chairs selection at <http://trac.tools.ietf.org/group/iesg/trac/wiki/ManageWorkingGroup>

IESG secretary, please add a management item to discuss this in the

telechat tomorrow.

'Some WGs have more than one co-chair. It is considered a good practice that co-chairs of the same WG are not affiliated or their participation is not sponsored by the same company. However this is not a mandatory requirement and situations may happen where individuals change affiliation or sponsorship. It is recommended that such cases are made known to the community and especially to the other Working Group participants. For this purpose ADs will recommend the chairs of the WGs to disclose their affiliation or participation sponsorship at nomination and in cases of changes of affiliation or sponsorship - especially when these are not obvious from their email addresses - by sending a message to the WG mail list.'

Comments?

6.4 Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

IESG:

bcc: IESG Secretary

This is a request for discussion as a management item.

ARIN has contacted us about the status of 128.66.0.0/16.

This block is registered to IANA in their database but is not assigned to

IANA or any official purpose in an RFC or Internet-Draft as far as we can

tell. Nonetheless, it appears to have unofficially been used as a documentation prefix in 'Networking Personal Computers with TCP/IP', published by O'Reilly in 1995 and is also listed in lots of sample ACL configs found on the Internet.

We believe that draft-iana-ipv4-examples will (hopefully) become a normative

and authoritative document on IPv4 unicast addresses reserved for use in documentation, allowing 128.66/16 to be returned to the free pool. That being said, it might be a very difficult block to use for many purposes but

might well be suitable for some private internetworks or otherwise very controlled networks.

Please let us know if you would prefer this block to be reserved rather than

made available for use by (suitably warned) network operators.

Additionally, we intend to return 192.0.128.0/17 to the free pool. It is registered to us but not documented as reserved in an RFC.

Many thanks,

Leo Vegoda  
Michelle Cotton  
IANA

## 7. Working Group News We Can Use

Jari Arkko  
Ron Bonica  
Ross Callon  
Ralph Droms  
Lisa Dusseault  
Lars Eggert  
Pasi Eronen  
Adrian Farrel  
Russ Housley  
Cullen Jennings  
Alexey Melnikov  
Tim Polk  
Dan Romascanu  
Robert Sparks  
Magnus Westerlund

Return-Path: <SCHISHOL@nortel.com>  
X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com  
(Postfix) with ESMTP id 145B33A69E5 for <iesg@core3.amsl.com>; Thu, 27  
Aug 2009 08:31:46 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -6.351  
X-Spam-Level:  
X-Spam-Status: No, score=-6.351 tagged\_above=-999 required=5 tests=  
[AWL=0.248, BAYES\_00=-2.599, RCVD\_IN\_DNSWL\_MED=-4]  
Received: from mail.ietf.org ([64.170.98.32]) by localhost  
(core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id

uwVP93KrxNJS for <iesg@core3.amsl.com>; Thu, 27 Aug 2009 08:31:45 -0700 (PDT)  
Received: from zrtps0kp.nortel.com (zrtps0kp.nortel.com [47.140.192.56])  
by core3.amsl.com (Postfix) with ESMTP id 05E303A6D39 for  
<iesg@ietf.org>; Thu, 27 Aug 2009 08:31:44 -0700 (PDT)  
Received: from zcarhxm2.corp.nortel.com (zcarhxm2.corp.nortel.com  
[47.129.230.99]) by zrtps0kp.nortel.com (Switch-2.2.6/Switch-2.2.0) with  
ESMTP id n7RFVio19127; Thu, 27 Aug 2009 15:31:44 GMT  
X-MimeOLE: Produced By Microsoft Exchange V6.5  
Content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable  
Subject: RE: COMMENT: draft-ietf-opsawg-syslog-alarm  
Date: Thu, 27 Aug 2009 11:31:28 -0400  
Message-ID:  
<713043CE8B8E1348AF3C546DBE02C1B41A6CA2DF@zcarhxm2.corp.nortel.com>  
In-Reply-To: <20090825183427.5EFC33A6A24@core3.amsl.com>  
X-MS-Has-Attach:  
X-MS-TNEF-Correlator:  
Thread-Topic: COMMENT: draft-ietf-opsawg-syslog-alarm  
Thread-Index: AcomPtwPvkKUFyS+QJCJDTeqnJ7pIAA6xMkA  
References: <20090825183427.5EFC33A6A24@core3.amsl.com>  
From: "Sharon Chisholm" <schishol@nortel.com>  
To: "Adrian Farrel" <adrian.farrel@huawei.com>, <iesg@ietf.org>  
Cc: draft-ietf-opsawg-syslog-alarm@tools.ietf.org, opsawg-  
chairs@tools.ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Thu, 27 Aug 2009 15:31:46 -0000

Hi

Thanks for the review.

Comments. inline.

Sharon=20

-----Original Message-----

From: Adrian Farrel [mailto:adrian.farrel@huawei.com]=20

Sent: Tuesday, August 25, 2009 2:34 PM

To: iesg@ietf.org

Cc: opsawg-chairs@tools.ietf.org;

draft-ietf-opsawg-syslog-alarm@tools.ietf.org

Subject: COMMENT: draft-ietf-opsawg-syslog-alarm=20

Comment:

Nits you should fix to reduce the load on the RFC Editor if you are editing the document.

Have a look to see whether you are consistent in your use of "syslog," "Syslog," and "SYSLOG."

<Sharon>

For consistency with RFC5424, we should use 'syslog' unless it needs to be capitalized for grammatical reasons. We need to replace any instances of 'SYSLOG' as appropriate and verify all other syslogs are grammatically appropriate. Specifically, we need to make the following changes

- a. Change title from 'Alarms in SYSLOG' to 'Alarms in Syslog'
- b. Change SYSLOG to syslog in section 5, third paragraph

</Sharon>

----

idnits says...

=3D=3D The page length should not exceed 58 lines per page, but there was 1 longer page, the longest (page 1) being 63 lines

<Sharon>=20

I have no idea how to fix this. I'm using xml2rfc. I propose to keep it as is and let the RFC editor fix this.

</Sharon>

=3D=3D Missing Reference: 'Syslog' is mentioned on line 225, but not defined

\*\* Obsolete normative reference: RFC 1738 (Obsoleted by RFC 4248, RFC 4266)

<Sharon>

Both of these had previously been addressed in identified editing instructions

</Sharon>

-----

Abstract is a little hard to parse

It

includes the mapping of ITU perceived severities onto syslog message fields and a number of alarm-specific SD-PARAM definitions from X.733 and the IETF Alarm MIB.

What maps onto what?

<Sharon>

Propose changing the following to hopefully make it clearer

It includes the mapping of ITU perceived severities onto syslog message fields. It also includes a number of alarm-specific SD-PARAM definitions from X.733 and the IETF Alarm MIB.

Is that sufficient or did you want the specific message fields listed in the abstract?

</Sharon>

-----

Section 1

defines a mapping of syslog severity to the severity of the alarm.

Which way is the mapping defined in this document? I think the mapping is from alarm severity to syslog severity.

<Sharon>

Correct. It is a one-way mapping because the value 'Notice' is associated with two alarm severity values

</Sharon>

Should include references to RFC3877, X.733 and X.736 where they are mentioned.

<Sharon>

Agreed

</Sharon>

-----

Section 2

s/severities which are useful/severities which it is useful/

<Sharon>

Agreed. The before is awkward

</Sharon>

s/A STRUCTURED-DATA element is defined/A STRUCTURED-DATA element is defined in this document/

<Sharon>

Agreed

</Sharon>

-----

Section 3

s/The following are defined/The following are defined in this document/

<Sharon>

Agreed

</Sharon>

-----

Section 6

It would be really helpful to IANA and would make certain that you get the results you want if you name the registry from which you wish IANA to make these allocations.

<Sharon>

Agreed

</Sharon>

-----

Section 8.2 appears to have some double-double quotes

<Sharon>

Will fix

</Sharon>

Return-Path: <Adrian.Farrel@huawei.com>

X-Original-To: iesg@core3.amsl.com

Delivered-To: iesg@core3.amsl.com

Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com (Postfix) with ESMTP id B285728C162 for <iesg@core3.amsl.com>; Thu, 27 Aug 2009 10:04:40 -0700 (PDT)

X-Virus-Scanned: amavisd-new at amsl.com

X-Spam-Flag: NO

X-Spam-Score: -2.286

X-Spam-Level:

X-Spam-Status: No, score=-2.286 tagged\_above=-999 required=5 tests=[AWL=0.312, BAYES\_00=-2.599, STOX\_REPLY\_TYPE=0.001]

Received: from mail.ietf.org ([64.170.98.32]) by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id cDRUqFlSdl18 for <iesg@core3.amsl.com>; Thu, 27 Aug 2009 10:04:39 -0700 (PDT)

Received: from lhrga03-in.huawei.com (lhrga03-in.huawei.com [195.33.106.148]) by core3.amsl.com (Postfix) with ESMTP id E89573A691A for <iesg@ietf.org>; Thu, 27 Aug 2009 10:04:36 -0700 (PDT)

Received: from huawei.com (localhost [127.0.0.1]) by lhrga03-in.huawei.com (iPlanet Messaging Server 5.2 HotFix 2.14 (built Aug 8

2006)) with ESMTP id <0KP100ANVORUJN@lhrga03-in.huawei.com> for  
iesg@ietf.org; Thu, 27 Aug 2009 18:04:42 +0100 (BST)  
Received: from your029b8cecfe (dsl-sp-81-140-15-32.in-  
addr.broadbandscope.com [81.140.15.32]) by lhrga03-in.huawei.com  
(iPlanet Messaging Server 5.2 HotFix 2.14 (built Aug 8 2006)) with  
ESMTPA id <0KP100LNHORSFB@lhrga03-in.huawei.com> for iesg@ietf.org; Thu,  
27 Aug 2009 18:04:41 +0100 (BST)  
Date: Thu, 27 Aug 2009 17:56:42 +0100  
From: Adrian Farrel <Adrian.Farrel@huawei.com>  
Subject: Re: COMMENT: draft-ietf-opsawg-syslog-alarm  
To: Sharon Chisholm <schishol@nortel.com>, iesg@ietf.org  
Message-id: <A7E6203EC1D14F86A89595C7C8BB978D@your029b8cecfe>  
MIME-version: 1.0  
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2900.5579  
X-Mailer: Microsoft Outlook Express 6.00.2900.5843  
Content-type: text/plain; format=flowed; charset=iso-8859-1; reply-  
type=original  
Content-transfer-encoding: 7BIT  
X-Priority: 3  
X-MSMail-priority: Normal  
References: <20090825183427.5EFC33A6A24@core3.amsl.com>  
<713043CE8B8E1348AF3C546DBE02C1B41A6CA2DF@zcarhxm2.corp.nortel.com>  
Cc: draft-ietf-opsawg-syslog-alarm@tools.ietf.org, opsawg-  
chairs@tools.ietf.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
Reply-To: Adrian Farrel <Adrian.Farrel@huawei.com>  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
X-List-Received-Date: Thu, 27 Aug 2009 17:04:40 -0000

Hi Sharon,

Thanks for looking at these points.  
Looks like you have them well in hand.

Adrian

----- Original Message -----

From: "Sharon Chisholm" <schishol@nortel.com>

To: "Adrian Farrel" <Adrian.Farrel@huawei.com>; <iesg@ietf.org>  
Cc: <opsawg-chairs@tools.ietf.org>;  
<draft-ietf-opsawg-syslog-alarm@tools.ietf.org>  
Sent: Thursday, August 27, 2009 4:31 PM  
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-----

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<Sharon>

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</Sharon>

Return-Path: <john@jlc.net>

X-Original-To: iesg@core3.amsl.com

Delivered-To: iesg@core3.amsl.com

Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com

(Postfix) with ESMTP id 2779128C244; Fri, 28 Aug 2009 06:41:14 -0700

(PDT)

X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
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X-Spam-Level:  
X-Spam-Status: No, score=-5.876 tagged\_above=-999 required=5 tests=[AWL=0.122, BAYES\_00=-2.599, HTML\_MESSAGE=0.001, J\_CHICKENPOX\_32=0.6, RCVD\_IN\_DNSWL\_MED=-4]  
Received: from mail.ietf.org ([64.170.98.32]) by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id tYJfc+NW9nta; Fri, 28 Aug 2009 06:41:06 -0700 (PDT)  
Received: from mailhost.jlc.net (mailhost.jlc.net [199.201.159.9]) by core3.amsl.com (Postfix) with ESMTP id BE3C328C2BC; Fri, 28 Aug 2009 06:41:05 -0700 (PDT)  
Received: by mailhost.jlc.net (Postfix, from userid 104) id 7C99F33C28; Fri, 28 Aug 2009 09:41:12 -0400 (EDT)  
Date: Fri, 28 Aug 2009 09:41:12 -0400  
From: John Leslie <john@jlc.net>  
To: The IESG <iesg@ietf.org>, avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org  
Subject: DRAFT Narrative Minutes for August 27, 2009 Telechat  
Message-ID: <20090828134112.GI14572@verdi>  
References: <20090826220859.39F6728C0D6@core3.amsl.com>  
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X-Mailman-Version: 2.1.9  
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List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>, <mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>, <mailto:iesg-request@ietf.org?subject=subscribe>  
X-List-Received-Date: Fri, 28 Aug 2009 13:41:15 -0000  
  
--V0207lvV8h4k8FAm  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

I really do mean to get Narrative Minutes out quicker, but was overcome by events -- including a need to attend to a Colo issue...

It doesn't help that I have to do a full review of all the ballots \_after\_ the call is complete; and this week I really wanted to sleep on it before deciding how much of the 3932bis discussion to keep.

There was one unresolved UserNN issue this week :^(

--

John Leslie <john@jlc.net>

--V0207lvV8h4k8FAm

Content-Type: text/html; charset=us-ascii

Content-Disposition: attachment;

filename="IESGnarrative-2009-08-27.html"

Content-Transfer-Encoding: quoted-printable

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l4/strict.dtd">

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  <meta http-equiv=3D"Content-Type" content=3D"text/html; charset=3DUTF-8">

  <meta http-equiv=3D"Content-Style-Type" content=3D"text/css">

  <title></title>

</head>

<body>

<p><b>IESG Narrative Minutes</b>

<p>Narrative Minutes of the IESG Teleconference on 2009-08-27. These are no=

t an official record of the meeting.

<p>Narrative scribe: John Leslie (The scribe was sometimes uncertain who wa=

s speaking.)

<p>Corrections from:

<p>

<p><b>1 Administrivia</b></p>

<ol>

  <li>Roll Call 1135 EDT Amy:

  <ul>

    <li>      Jari Arkko--- y

    <li>      Ron Bonica--- y

    <li>      Ross Callon--- y

    <li>      Michelle Cotton--- y

    <li>      Ralph Droms--- y

- <li> Lisa Dusseault--- y
- <li> Lars Eggert--- --
- <li> Pasi Eronen--- y
- <li> Marshall Eubanks---=20
- <li> Adrian Farrel--- y
- <li> Sandy Ginoza--- y
- <li> Russ Housley--- y
- <li> Cullen Jennings--- y; have 45-minute conflict during call
- <li> Olaf Kolkman--- regrets
- <li> John Leslie--- y
- <li> Alexey Melnikov--- y
- <li> Cindy Morgan--- y
- <li> Dave Oran--- --
- <li> Ray Pelletier--- regrets
- <li> Tim Polk--- y
- <li> Dan Romascanu--- y
- <li> Robert Sparks--- y
- <li> Amy Vezza--- y
- <li> Magnus Westerlund--- regrets

</ul>

<li>Bash the Agenda

<ul>

<li> Russ: 3932bis mgmt item

<li> Tim: NAT discovery while Cullen on-line; NEA? charter discuss

toda=

y? (backed off with neither Lars nor Magnus here)=20

<li> Ralph: DNSEXT charter, need to straighten out diffs (version in

pa=

ckage isn't right); move to September 10

<li> Michelle: are HTTP Parameters experts ready?

<li> Lisa: don't have second person yet

<li> Russ: let's approve one (add mgmt item)

</ul>

<li>Approval of the Minutes of the past telechat

<ul>

<li> August 13 minutes--- approved

<li> August 13 narrative minutes--- approved

</ul>

<li>Review of Action Items from last Telechat

<ul>

<li> Magnus Westerlund to draft an IESG Statement on BCP 32.

<br> Magnus not here

<li> Jari Arkko to continue discussion with Henrik Levkowetz about

enab=  
ling proper filtering to email aliases existing on the tools server.  
<br> Jari: discussed with Henrik, in place for a while, details  
be=  
ing worked out  
<br> Cullen: happy to experiment: see what happens in Outlook  
<br> Jari: will follow up with email  
<br> Amy: complete  
<li> Robert Sparks to talk to Tom Taylor about Christian Groves  
taking =  
over as MEGACO expert.  
<br> Robert: done, sent results to IESG list  
<li> Lars Eggert to find someone to review the ANSI C12.22-2008 /  
IEEE =  
P1703-2009 / MC1222 Application Layer messages over IP document.  
<br> (Lars is here now)  
<br> Lars: in progress  
<li> Dan Romascanu to draft text for the IESG wiki about how to  
handle =  
having two chairs from the same company.  
<br> Dan: sent to list yesterday; mgmt issue today  
<br> Amy: complete  
</ul>  
</ol>  
<p><b>2 Protocol Actions</b></p>  
<p><b>2.1 WG submission</b></p>  
<p><b>2.1.1 - New Items</b></p>  
<ol>  
<li> An Extensible Markup Language (XML) Document Format for  
Indicating A=  
Change in XML Configuration Access Protocol (XCAP) Resources (Proposed  
Sta=  
ndard)  
<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/  
2009-08-27/=  
draft-ietf-simple-xcap-diff-13.html"> draft-ietf-simple-xcap-diff-13 </  
a>  
<br>Token: Robert Sparks; Note: Ben Campbell is taking over as the  
docum=  
ent Shepherd  
<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/  
telec=  
hat/2009-08-27/ballot/1924/index.html">Balloting</a>:  
<ol>  
<li> Ralph Droms: Comment [2009-08-25]:  
<br> Figure 1 isn't entirely clear to me. What do the "-" and

"\*"\_=

symbols mean?

<br> In the sentence immediately before Figure 1, s./how  
correspon=

ding/how the corresponding/ ?

<br> There are no instructions to IANA in section 7.1. Will  
IANA =  
know what to do with that section?

<li> Alexey Melnikov: Comment [2009-08-27]:

<br> 1. Introduction

<br> "The Extensible Markup Language (XML) Configuration Access  
Pr=  
otocol (XCAP) [RFC4825] is a protocol that allows clients to manipulate  
XML=

documents stored on a server. These XML documents serve as  
configuration i=  
nformation for application protocols. As an example, resource list  
[RFC4662=

] subscriptions (also known as presence lists) allow a client to have a  
sin=  
gle SIP subscription to a list of users, where the list is maintained on  
a =

server. The server will obtain presence for those users and report it  
back =  
to the client. This application requires the server, called a Resource  
List=

Server (RLS), to have access to the list of presentities."

<br> I think the first use of a term like "presentity" needs an  
In=  
formative Reference.

<br> 3. Structure of an XCAP Diff Document

<br> "The &lt;document&gt; element has one mandatory attribute,  
"s=  
el", and a two optional attributes, "new-etag" and "previous-etag". The  
"s=

el" attribute of the &lt;document&gt; element identifies the specific  
docum=  
ent within the XCAP root for which changes are indicated. Its content  
MUST =

be a relative path reference, with the base URI being equal to the XCAP  
roo=  
t URI. The "new-etag" attribute provides the entity tag (ETag) for the  
doc=

ument after the application of the changes, removal of a document, the  
"pre=

vious-etag" MUST only be included and the "new-etag" attribute will not

be =  
present."

<br> I suggest rewording the last sentence:  
<br> "If the change being reported is the removal of a document, only the "previous-etag" MUST be included and the "new-etag" attribute MUST NOT be present."

<br> "In a corner case where the content of this element cannot be presented for some reason, although it exists in the XCAP document, the element;element; element MUST NOT have any child nodes."

<br> Can you please elaborate more on the corner case?  
<br> "Each <attribute; element indicates the existing attribute content of an XCAP document. It has one mandatory attribute, "sel", and one optional attribute, "exists". The "sel" attribute of the <attribute; element identifies an XML attribute of an XCAP document. It is a percent encoded relative URI following XCAP conventions when"

<br> typo: encoded

<li> Tim Polk: Discuss [2009-08-26]:  
<br> The security considerations are clear and factual, but may leave the reader with the wrong impression regarding the importance of protecting XCAP diff documents. This document states:  
<br> "[....] if the document itself is sensitive and requires confidentiality, integrity or authentication, then the same applies to the XCAP diff format. Therefore, protocols which transport XCAP diff documents must provide sufficient security capabilities for transporting the document itself."

<br> This is all true, but does not indicate whether XCAP documents are likely to be sensitive, or what the typical transport capabilities are likely to be.

<br> The Security Considerations of the XCAP spec (RFC 4825) are v=

ery clear about this:

<br> "Frequently, the data manipulated by XCAP contains sensitive information. To avoid eavesdroppers from seeing this information, it is RECOMMENDED that an administrator hand out an HTTPS URI as the XCAP root URI. This will result in TLS-encrypted communications between the client and server, preventing any eavesdropping. Clients MUST implement TLS, assuring that such URIs will be usable by the client."

<br> This is probably obvious to a reader with sufficient expertise, but I believe that the first paragraph needs to be supplemented with a note that TLS-encrypted communications are commonly employed for transporting XCAP documents, and point to 4825 for further discussion of the security requirements for XCAP documents.

<br> In the following paragraph, it would be helpful if this document suggested a SIP baseline for providing a similar set of security attributes. Some warning about hop-by-hop vs. end-to-end security would be helpful as well.

<br> Comment [2009-08-26]: I greatly appreciated the thorough treatment of the semantics for previous-etag and new-etag when they appear in combination and when each appears alone. I am afraid I missed something subtle with respect to new-etag appearing alone, though. I understand the scenario where the document was just created, but when would the "document exists" scenario be invoked? In this case, the document hasn't changed, so why would there be a diff document at all?

<li> Dan Romascanu: Discuss [2009-08-27]:

<br> The Security and OPS review performed by David Harrington raised a couple of issues which were not answered completely in the discussion =

that followed. I would like to discuss them further before approving this document and decide whether text should be added to warn about the potential issues in deployment.

<br> 1. What happens if multiple diffs are applied in different orders? Especially it is not clear what happens if many notifiers (diff-generators) apply changes for the same document - would the different clients be able to read these changes in a consistent manner?

<br> 2. It looks (and the authors seem to acknowledge) that deployment on large scale is a problem. This can also be a potential source of DOS attacks, with a client sending repeated small changes that each needs to be propagated to all the other clients. I do not know if there is any solution on this respect but I think that some warning text on this respect should be added.

<br> Comment [2009-08-27]:

<br> 1. The OPS review asked about the need for a mechanism to specify which levels of related configurations must be present similar to the one in configuration control systems. This diff format specification does not provide a mechanism for doing versioning and coordination of incremental changes. Although it is not clear that this is a mandatory requirement for XCAP it is certainly good practice, and it would be good to have this addressed (or explain why it is not needed).

<br> 2. The XCAP and XCAP-diff documents do not specify how to manage the underlying XML documents, or how to reflect incremental changes in a management interface.

<br> XCAP is a type of application-specific HTTP, and the XCAP specification discusses the difficulty of differentiating XCAP traffic from other HTTP

traffic, such as at a firewall. As a result, it would seem to be difficult to monitor XCAP-specific faults and performance by doing stream analysis; this would seem to call for having the server and client include support for providing management information, since the XCAP server and XCAP client can easily determine which traffic is XCAP related.

<br> An information model describing the data needed for monitoring the XCAP protocol, measuring protocol performance, measuring any impact on network performance, and standardization of operational configuration for the XCAP protocol are simply not discussed. There is no discussion in the XCAP spec or the XCAP-diff spec that explains why management is not needed for XCAP or XCAP-diff.

<br> I am not satisfied with the response provided by one of the contributors that this is an implementation issue. It may be true that manageability may be addressed in a different place but some reference that the issues were considered and how they are addressed or why they need not be addressed would be useful to be included.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple of open, Adrian, mumble

<li> Robert: downref to 2648; issue has come up many times without calling out the downref; what should we do? I don't object to rerunning LastCall

<li> Russ: most recent?

<li> Robert: probably 5362

<li> Cullen: I'd argue it's not even really a normative reference

<li> Robert: people in WG feel strongly it should be normative, I'd be happy with informative, document author wants to keep as normative

<li> Russ: rerun LastCall two weeks seem safest

<li> Robert: revised-ID needed... essentially a MIME-type registration;

might be a reason for a new document to revise the base  
</ul><P>

<li> IP Performance Metrics (IPPM) for spatial and multicast (Proposed Standard)

<br><A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/draft-ietf-ippm-multimetrics-11.html"> draft-ietf-ippm-multimetrics-11</a>

<br>Token: Lars Eggert; Note: The document shepherd is Matt Zekauskas (matt@internet2.edu)

<br>Extracted from <A HREF="http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/ballot/2129/index.html">Balloting</a>:

<ol>

<li> Jari Arkko: Discuss [2009-08-27]:

<br> This specification is a solid and useful piece of work.

However,

before recommending the publication of this specification as an RFC, I would like to talk about the following.

<br> The document uses the term 'host' to refer to measurement points, despite their role in the communications. For instance:

<br> "A metric is said to be spatial if one of the hosts (measurement collection points) involved is neither the source nor a destination of the measured packet(s)."

<br> The traditional terminology is of course hosts, routers, and nodes. My read of RFC 2330 is that it tries to be accurate about referring to entities as routers when they are indeed routers. It is true that routers are hosts too, but saying 'host' when a packet passes through a router is somewhat misleading, in my opinion. I wonder if the term node would have been more appropriate for some of this, or following the model in RFC 2330.

<br> Comment [2009-08-27]: The term "ipdv" was introduced here for the first time, please add a reference or a term definition:

<br> o Type-P-Spatial-One-way-ipdv-Vector divides an end-to-end T=  
 ype-P-One-way-ipdv into a spatial vector of ipdv singletons.  
 <li> Ralph Droms: Comment [2009-08-25]: First sentence of section 3  
 nee=  
 ds a closing ']'  
 <br> Section 9.1, 4th para, s/transit/transmit/  
 <li> Pasi Eronen: Comment [2009-08-26]: Stephen Farrell's SecDir  
 review=  
 ed found some editorial nits that should be fixed:  
 <br> [http://www.ietf.org/mail-archive/web/secdir/current/  
 msg00943.=  
 html](http://www.ietf.org/mail-archive/web/secdir/current/msg00943.html)  
 <li> Adrian Farrel: Discuss [2009-08-25]:  
 <br> Section 10  
 <br> Shouldn't the must/should language here all be in RFC 2119  
 fo=  
 rm? It seems to be mixed.  
 <br> Section 11  
 <br> This section needs to highlight that path reporting  
 mechanism=  
 s (such as indicated here) can be used to determine where in a network  
 to a=  
 ttack a traffic flow.  
 <br> Spatial reporting may indicate which nodes on a path are  
 most=  
 vulnerable to attack.  
 <br> Both of these issues can be determined by inspection  
 without =  
 any need to attack the measurement packets themselves.  
 <br> Comment [2009-08-25]:  
 <br> Figure 2  
 <br> This would benefit from some explanation.=20  
 <br> I presume 'x' does not have the same quality as 'X'  
 although =  
 'X' is not referenced.  
 <br> It is not clear whether this is an example such that all  
 node=  
 s are candidate points of interest, but those 'x' just happen to not be  
 poi=  
 nts of interest.  
 <br> Is there any significance in Figure 2 using 1,2,3,J where  
 Fig=  
 ure 1 used 1,2,3,I?  
 <br> Is the figure supposed to imply labeling of the 'X' hosts  
 as =

1,2,3,J?

<br> Nice to expand "ipdv" on first use.

<br> Section 4.1: "Monitoring the decomposed performance of a

mult=

icast tree based on of MPLS point-to-multipoint communications."

<br> s/on of/on/

<br> Figure 6

<br> I suppose that this only applies for  $J[n] > 0$

<br> Obviously, it would be pointless to compute if no packets

wer=

e received. Need to say so?

<br> Section 9.1

<br> OLD

<br> However, it may result in a lost of information. As all

measu=

red singletons are not available for building up the group matrix, the

real=

performance over time can be hidden from the result.

<br> NEW

<br> However, it may result in a loss of information. As not

all m=

asured singletons are available for building up the group matrix, the

real=

performance over time can be hidden from the result.

<br> Section 9.2: "To prevent any bias in the result, the

configur=

ation of a one-to-many measure must take in consideration that

intrically m=

ore packets will to be routed than sent (copies of a packet sent are

expect=

ed to arrive at many destination points) and selects a test packets rate

th=

at will not impact the network performance."

<br> "intrically"?

<br> Do you mean "intrinsically" or "intricately"? Maybe just

dele=

te the word and let "more" stand on its own.

<br> Section 10: s/documents defines/documents define/

<br> But actually...

<br> "Usually IPPM WG documents defines each metric reporting

with=

in its definition."

<br> ...is either circuitous or has no meaning!

<br> Section 10.1.2: "It is highly suggested to use the TTL in

IPv=

4, the Hop Limit in IPv6 or the corresponding information in MPLS."

<br> Is "highly suggested" language for inclusion in draft-ietf-rf= c2119bis-00.txt?

<br> Section 13: "Metrics defined in this memo Metrics defined in = this memo are"

<br> Duplicate words.

<br> Section 13: You might help IANA by making it clear that each = "nn" is a different number, possibly by using aa, bb, cc, etc.

<li> Dan Romascanu: Comment [2009-08-27]:

<br> In Section 10: "This document defines the reporting of all th= e metrics introduced in a single section to provide consistent information,= to avoid repetitions and to conform to IESG recommendation of gathering ma= nageability considerations in a dedicated section."

<br> While it is true that some of the IESG members hold the opini= on that gathering manageability considerations in a dedicated section is a = good thing, there is no IESG recommendation on this respect.

<li> Robert Sparks: Comment [2009-08-26]: Notation nits:

<br> Figure 4's right-most column has repeated R3's where it meant= R1, R2, R3

<br> The paragraph below that figure talks about "observed at M po= ints of interest" where I think it meant "n points".

<br> As discussed in email, there is a mix of RnMD and RnDM in sec= tion 8.3 that should be the same.

<br> As discussed in email, Ln(k) in figure 10 and L(k,n) in figur= e 11 could use additional explanation.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple of open, Cullen, no thanks; couple of discusses

<li> Lars: authors seem to be responding

<li> Adrian: agreed, I think, waiting to see revisions

<li> Jari: routers vs hosts, don't see it fixed, but not willing to blo= ck indefinitely over this

<li> Ross: I was sympathetic with your comment, easy to fix in one

day

- <li> Lars: revised-ID needed

</ul><P>

- <li> OSPFv2 HMAC-SHA Cryptographic Authentication (Proposed Standard)  
<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/="

draft-ietf-ospf-hmac-sha-06.html"> draft-ietf-ospf-hmac-sha-06 </a>

- <br>Token: Ross Callon

- <br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/ballot/3120/index.html">Balloting</a>:

- <ol>

- <li> Pasi Eronen: Comment [2009-08-27]: I agree with Tim that SHA-224 is

s of questionable value here (and so is SHA-384, IMHO -- it's just a truncated version of SHA-512).

- <li> Adrian Farrel: Comment [2009-08-25]: Some nits you should address =

to improve the polish if you have the document open for edit.

- <br> RFC Editor will ask you to reduce the number of names on the = front cover in line with the guidelines.

- <br> Section 2: "All OSPF protocol exchanges are authenticated. No= twithstanding the exact same statement being present in RFC 2328 it is hard=

to claim that the Authentication Type "Null Authentication" represents authentication in action."

- <br> Perhaps s/are/can be/

- <br> Section 3.2: "RFC 2328 defined an OSPFv2 Security Association=

(OSPFv2 SA) in Section D.3, pages 228 and 229. However, the term is new to= this document."

- <br> Not clear what the second sentence means.=20

- <br> Section 3.2: There is a fair amount of "should". Does this ne= ed to be 2119 language?

- <br> Section 3.2 Authentication Algorithm

- <br> "This information should never be sent over the wire in clear= text form."

- <br> s/THis/This/

<li> Russ Housley: Discuss [2009-08-26]:  
<br> Section 3.2 defines Authentication Algorithm and Authentication Mode. I do not think these are separable in the manner described. I would be much more comfortable with the use of Authentication Algorithm with the choices of HMAC-SHA-256, HMAC-SHA-1, HMAC-SHA-224, HMAC-SHA-384, HMAC-SHA-512, and Keyed-MD5. Please see draft-ietf-saag-crypto-key-table-00.txt. Please consider the other ideas presented in this draft.

<br> The document have the following requirements for the various HMAC algorithms:

<br> - MUST include support for HMAC-SHA-256  
<br> - SHOULD include support for HMAC-SHA-1, HMAC-SHA-224, HMAC-SHA-384, and HMAC-SHA-512  
<br> - SHOULD also include support for Keyed-MD5  
<br> This seems like a lot of SHOULD support algorithms.

Perhaps some of them out to be MAY support algorithms.

<br> Some guidance to product planners about the mandatory to implement requirements in the future is highly desirable. I assume that support for Keyed-MD5 will be dropped in the future. Is HMAC-SHA-1 also in this

same situation? If so, please say so.

<li> Cullen Jennings: Discuss [2009-08-27]: On the call, I would like to talk about the number of authors on this. At the end of the the iesg-mandatory can change my position to no-obj.

<li> Alexey Melnikov: Discuss [2009-08-26]:  
<br> IANA CONSIDERATIONS  
<br> "There are no IANA considerations for this document."  
<br> I don't think this is correct. The IANA considerations section should say that the definition of "Cryptographic authentication method in the "Open Shortest Path First (OSPF) Authentication Codes"

is in the IANA registry (<a href="http://www.iana.org/assignments/ospf-authentication-codes">

; ) should be updated to also point to this document.

<br> Comment [2009-08-26]:

<br> 3. Cryptographic authentication with NIST SHS in HMAC mode

<br> The algorithms used to generate and verify the message

digest=

are specified implicitly by the secret key."

<br> And the secret key is identified by the KeyID. Maybe you

shou=

ld say that here.

<br> 3.2 OSPFv2 Security Association

<br> Authentication Algorithm

<br> "This indicates the authentication algorithm to be used.

This=

information should never be sent over the wire in cleartext form."

<br> While this is true, I think this is a bit misleading: this

in=

formation is never sent over the wire (in OSPF itself). Or am I wrong

about=

that?

<br> "Currently valid values are: MD5, SHA-1, SHA-224,

SHA-256, =

SHA-384, and SHA-512."

<br> I was expecting to see an IANA registry for this, but

found t=

hat each mechanism is identified by the hash length field ("Auth Data  
Len")=

. Did the WG discussed alternatives, for example by defining a new

"Authent=

ication Method" code(s)?

<li> Tim Polk: Comment [2009-08-26]: I believe the SHOULD list in  
secti=

on 3 is too long to have real value. I would suggest retaining HMAC-  
SHA-25=

6 as MUST, with Keyed-MD5 and HMAC-SHA-1 as SHOULD, and relegate the  
others=

to MAY.

<br> I also wonder if SHA-224 is worth including at all, given

tha=

t we would only save 32 bits on the wire. Would operators find this a

comp=

elling feature?

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: number of discusses

<li> Ross: one worth discussing; revised-ID needed regardless; agree

"a=

wful lot of SHOULDs"

- <li> Tim: competing drafts, pieces pulled together, ended up with a

lon=

g author list, possible to approve long list "for political reasons"

- <li> Ross: stick with revised-ID needed, I'll follow-up
- <li> Dan?: update IANA reference (point here as well)

</ul><P>

- <li> Alarms in SYSLOG (Proposed Standard)

<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/=

draft-ietf-opsawg-syslog-alarm-02.html"> draft-ietf-opsawg-syslog-alarm-02 =

</a>

<br>Token: Dan Romascanu; Note: Scott Bradner (sob@harvard.edu) is the d=

ocument shepherd

<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telec=

hat/2009-08-27/ballot/3150/index.html">Balloting</a>:

- <ol>
- <li> Jari Arkko: Comment [2009-08-26]:

- <br> The document says:
- <br> "Support of the "alarm" SD-ID is optional, but once

supported=

some of the SD-PARAMS are mandatory."

- <br> but at this point in the document the terms SD-ID and SD-PARA=

PARAMS have not been introduced yet. And there isn't even a forward reference.=

Is it SD-PARAMS, really, or SD-PARAMS?

- <li> Ralph Droms: Comment [2009-08-26]: Very minor readsbility nits:

- <br> Reorder sections 3.1-3.6 to match the order of the list in

se=

ction 3.

- <br> Reorder the bullet list in section 3.3 to match the order

of =

the list in section 2.

- <br> "trendIndication" in section 3.5 could use a clearer

definiti=

on. How is trendIndication "[s]imilar to the definition of perceived

severi=

ty"? Perhaps trendIndication is "related to perceived severity,

indicating =

the trend of the perceived severity relative to previously reported

values =  
of perceived severity for the same alarm source"?  
<li> Pasi Eronen: Discuss [2009-08-26]: From Rob Austein's SecDir  
review=  
w: it's not clear what e.g. 'If the "alarm" SD-ID is supported, the  
"resour=  
ce" SD-PARAM MUST be supported' (and other similar sentences) mean. Does  
it=  
mean that if the "alarm" SD-ID is included in a syslog message, the  
"resou=  
rce" SD-PARAM MUST be included? (Or if not, what is meant by "supported"  
he=  
re?)

<br> Comment [2009-08-26]: Couple of typos in Section 4:  
<br> 'APP-NAME is "su"' -> 'APP-NAME is "evntslog"'  
<br> 'exampleSDID@0' -> 'exampleSDID@32473'  
<br> 'resourceURI =3D' -> 'resourceURI=3D'

<li> Adrian Farrel: Comment [2009-08-25]: Nits you should fix to  
reduce=  
the load on the RFC Editor if you are editing the document.  
<br> Have a look to see whether you are consistent in your use  
of =  
"syslog," "Syslog," and "SYSLOG."  
<br> idnits says...  
<br> =3D=3D The page length should not exceed 58 lines per  
page, b=  
ut there was 1 longer page, the longest (page 1) being 63 lines  
<br> =3D=3D Missing Reference: 'Syslog' is mentioned on line  
225, =  
but not defined  
<br> \*\* Obsolete normative reference: RFC 1738 (Obsoleted by  
RFC 4=  
248, RFC 4266)  
<br> Abstract is a little hard to parse  
<br> "It includes the mapping of ITU perceived severities onto  
sys=  
log message fields and a number of alarm-specific SD-PARAM definitions  
from=  
X.733 and the IETF Alarm MIB."  
<br> What maps onto what?  
<br> Section 1: "defines a mapping of syslog severity to the  
sever=  
ity of the alarm."  
<br> Which way is the mapping defined in this document? I think  
th=  
e mapping is from alarm severity to syslog severity.

<br> Should include references to RFC3877, X.733 and X.736  
 where t=  
 hey are mentioned.  
 <br> Section 2  
 <br> s/severities which are useful/severities which it is  
 useful/  
 <br> s/A STRUCTURED-DATA element is defined/A STRUCTURED-DATA  
 elem=  
 ent is defined in this document/  
 <br> Section 3: s/The following are defined/The following are  
 defi=  
 ned in this document/  
 <br> Section 6: It would be really helpful to IANA and would  
 make=  
 certain that you get the results you want if you name the registry from  
 wh=  
 ich you wish IANA to make these allocations.  
 <br> Section 8.2 appears to have some double-double quotes  
 <li> Russ Housley: Comment [2009-08-25]: Please review the comments  
 pro=  
 vided in the Gen-ART Review by Suresh Krishnan:  
 <br> \* Please replace reference to obsolete RFC1738 with a  
 referen=  
 ce to RFC4248 or RFC4266 or both depending on what is required.  
 <br> \* Section 4: Replace the nonexistent reference [Syslog]  
 with =  
 [RFC5424] if that is what you intended to use.  
 <li> Alexey Melnikov: Comment [2009-08-21]:  
 <br> 3. Alarm STRUCTURED-DATA Elements  
 <br> "Support of the "alarm" SD-ID is optional,"  
 <br> s/optional/OPTIONAL ?  
 <br> 3.6. resourceURI  
 <br> "If the "alarm" SD-ID is supported, the "resourceURI" SD-  
 PARA=  
 M SHOULD be supported. This item uniquely identifies the resource under  
 al=  
 arm."  
 <br> "The value of this field MUST conform to the URI  
 definition i=  
 n [RFC1738] and its updates. In the case of an SNMP resource, the"  
 <br> This RFC was obsoleted 3 times. This should be pointing to  
 RF=  
 C 3986 instead.  
 </ol>  
 <P><b>Telechat</b>:  
 <ul>

- <li> Amy: a discuss
- <li> Dan: issue is clarified; AD-followup, expect RFCed note

</ul><P>

<li> Binding Revocation for IPv6 Mobility (Proposed Standard)  
<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/=draft-ietf-mext-binding-revocation-10.html"> draft-ietf-mext-binding-revoca=  
tion-10 </a>

<br>Token: Jari Arkko; Note: Julien Laganier  
(julien.laganier.ietf@googl=  
email.com) is the document shepherd

<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telec=  
hat/2009-08-27/ballot/3167/index.html">Balloting</a>:

<ol>

<li> Ralph Droms: Discuss [2009-08-26]: While these issues are  
editoria=  
l and/or clarifying questions, I think they need to be addressed before  
thi=  
s doc is published.

<br> In section 6, where are the Payload Proto and Header Len  
fiel=  
ds defined?

<br> The text describing the Mobility Options in section 6.1  
wasn'=  
t clear to me. Does the first sentence imply that the field should be  
padde=  
d out to a multiple of 8 octets? How does the padding work and how is  
the =  
beginning of the padding differentiated from a TLV?

<br> Is the Home Network Prefix option allowed when the P bit  
is n=  
ot set?

<br> s/mandatory/&lt; something from RFC 2119&gt;/ throughout

<br> What are the RFC 2119 requirements for the IPv4 Home  
Address =  
option?

<br> What are the identification semantics for these options;  
i.e.=

, how are they used to "identify the specific binding or bindings"?

<br> What are the identification semantics in the case no  
options =  
are present? Match all; match none, ???

<br> The text in section 6.2 about the use of Mobility Options

is =  
similarly unclear. Can Mobility Options be included (doc says "not  
required=  
) when the Status field indicates success? How are the Mobility Options  
int=  
erpreted in the case of success?  
    <br> "The mobility option(s) are usually used to communicate  
infor=  
mation of the bindings that failed the revocation procedure" - how else  
are=  
they used, when would they not be used, how to they communicate the  
inform=  
ation about failure?  
    <br> Comment [2009-08-26]:  
    <br> Section 4, Security Model and Section 14, Security  
Considerat=  
ions seem to mostly overlap. I suggest combining the two sections under  
Se=  
curity Considerations.  
    <br> Is there a reason not to simply define two Mobility Header  
Ty=  
pes, Binding Revocation Indication and Binding Revocation  
Acknowledgment, r=  
ather than a single Binding Revocation message with two sub-types?  
    <br> Related editorial nits - the IANA considerations section  
migh=  
t be edited for clarity.=20  
    <br> Identify explicitly that the new message types come from  
the =  
"Mobility Header Types" registry  
    <br> s/namespace/registry/ throughout?  
    <br> There are redundant or conflicting instructions for adding  
ne=  
w entries to specific registries and the blanket rules for "reserved  
values=  
" in the last sentence  
    <br> From section 7.1:  
    <br> "In the BRI message, the initiator MUST set the Sequence  
Numb=  
er field to the next sequence number available for Binding Revocation."  
    <br> But section 6.1 includes "It could be a random number." in  
th=  
e definition for the sequence number field. These two definitions seem  
to =  
be in conflict.  
    <br> In section 7.2:

<br> "If a mobility node receives a Binding Revocation Indication = message with the Revocation Trigger field is set to a value that NOT supported="

<br> I assume this should read "is NOT supported" (why is NOT capi= talized?); does this mean not supported by the receiving mobility node, not= supported in the protocol, ???

<br> In section 7.3, I assume retransmission only occurs when the = sending mobility entity set the A bit in the Binding Revocation Indication = message?

<br> Would it be possible to reorder the bits in the Indication an= d Ack messages so the P, V and G bits fall in the same place in both messag= es?

<br> I wonder if there is a potential for confusion about the incl= usion of mobility options based on text in different parts of the doc. I th= ink it would clarify the doc to give rules for mobility options in the spec= ific sections describing the processing performed by the different mobility= entities. That is, the blanket rules in sections 6.1 and 6.2 might be in c= onflict with specific rules, for example, in section 9.1.1. Unless there is= some rule in sections 6.1 and 6.2 that apply universally to all messages, = I suggest leaving out the options lists from those sections and put the exp= licit options in each of the appropriate subsections of sections 9, 10, 11 = and 12.

<li> Pasi Eronen: Discuss [2009-08-26]: I have reviewed draft-ietf-next= -binding-revocation-10, and have couple of questions/concerns that I'd like= to discuss before recommending approval of the document.

<br> Sections 9.1.1 and 10.1.1 seem to assume some kind of "wildca=

rd" functionality for the Mobile Node Identifier Option, but I can't find any text specifying the exact syntax of those wildcards?

<br> In several places, the text talks about mobile node's NAI

-- =

does this specification requiring using Mobile Node Identifier Option subtype

pe 1, or would it also work with other subtypes?

<li> Adrian Farrel: Comment [2009-08-25]: Would it be wise to have IANA

track the flags in the Binding Revocation Indication and Binding Revocation

n Acknowledgement messages?

<li> Russ Housley: Discuss [2009-08-27]: The Gen-ART Review by Ben Campbell

on 25-Aug-2009 is comprehensive. Please address the major issue concerning the security considerations, and please consider the other points that

Ben raises.

<br> <http://www.softarmor.com/rai/temp-gen-art/draft-ietf-mext-binding-revocation-10-campbell.txt>

<li> Tim Polk: Comment [2009-08-27]: I support Pasi's discussion on wildcards and Robert's discussion on implicit revocation.

<br> As far as I can tell, global revocation was not included in the IPv4 analog (in 3543); any word on the IPv4 experiences that indicates this feature is necessary?

<li> Robert Sparks: Discuss [2009-08-26]: Agree with Pasi's discussion on wildcards.

<br> I'm concerned about the new (is it new to the protocol suite?) semantic this document adds that allows revoking an implicit set rather than an explicit list of things. This seems to allow revoking things the element sending the BRI may not know about. It also seems to bring up harder questions of authorization policy that the document currently waves out of scope. Why isn't some discussion of the potential dangers of allowing examples

e.net to indicate revocation of bindings related to example.com warranted?

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: couple of open, Lars, no thanks; number of discusses

<li> Jari: Ralph and Pasi clear, waiting for a revision, need new

text =

for Russ and Robert; when you revoke bindings, you revoke between two parti=

es -- no third-party revokes

<li> Robert: should avoid mistakes we've done before, stomping on too m=

uch

<li> Jari: add text clarifying that can't happen; revised-ID needed

</ul><P>

<li> Extended MKCOL for WebDAV (Proposed Standard)

<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/=draft-ietf-vcarddav-webdav-mkcol-06.html"> draft-ietf-vcarddav-webdav-mkcol=-06 </a>

<br>Token: Alexey Melnikov; Note: Julian Reschke &lt;julian.reschke@gree=

nbytes.de> agreed to shepherd the document

<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telec=hat/2009-08-27/ballot/3171/index.html">Balloting</a>:

<ol>

<li> (none)

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: open not here; no discusses; approved

<li> Alexey: no notes needed

</ul><P>

<li> Network Time Protocol (NTP) Server Option for DHCPv6 (Proposed Stand=ard)

<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/=draft-ietf-ntp-dhcpv6-ntp-opt-04.html"> draft-ietf-ntp-dhcpv6-ntp-opt-04</=a>

<br>Token: Ralph Droms; Note: Brian Haberman  
(brian@innovationslab.net) =  
is the document shepherd

<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/ballot/3193/index.html">Balloting</a>:

<ol>

<li> Pasi Eronen: Comment [2009-08-27]: I agree with Russ that this document should have a paragraph explaining its relationship to RFC 4075 (which is being obsoleted by this document), describing briefly why RFC 4075 is obsoleted (and what is added here), and saying that the use of RFC 4075 is no longer recommended.

<br> Glen Zorn's SecDir review also identified a number of places that would benefit from some clarification of the text, and provided editorial comments that should be taken into account.

<li> Adrian Farrel: Discuss [2009-08-26]: A quick Discuss-Discuss that I hope the other ADs can address for me during the telechat...

<br> What happens to the code point assigned by RFC 4075 if that RFC is obsoleted by this RFC, and this RFC does not take over the definition of that code point?

<li> Russ Housley: Discuss [2009-08-25]: This document will obsolete RFC 4075 (once approved). Please help developers by including a section or appendix that summarizes the changes from RFC 4075 to this document.

<br> Comment [2009-08-25]: As pointed out in the Gen-ART Review by

Sean Turner on 2009-08-12:

<br> In section 4: s/To to enable/To enable/

<li> Cullen Jennings: Discuss [2009-08-27]: It seems like a DHCP server

may want to continue advertising 4075 style information as a transition strategy to this. I'd like to talk about if this should obsolete 4075

<li> Alexey Melnikov: Discuss [2009-08-21]: I only have a minor blocking comment on this document:

<br> 3. NTP Server Option for DHCPv6

<br> "[...] The option itself does not contain any value.

Instead,=

it contains one or several suboptions that carry NTP server or SNTP server=

configuration information. This option MUST include one, and only one, tim=

e source suboption. The currently defined time source suboptions are:

NTP\_O=

PTION\_SRV\_ADDR, NTP\_OPTION\_SRV\_MC\_ADDR, NTP\_OPTION\_SRV\_FQDN. It carries the=

NTP server or SNTP server location, as a unicast or multicast IPv6 address=

or as an NTP server or SNTP server FQDN. More time source suboptions may b=

e defined in the future."

<br> The last sentence implies that this needs a new IANA registry=

, but this registry is not defined in the document.

<br> Comment [2009-08-21]:

<br> 3.3. NTP Server FQDN Suboption

<br> "FQDN: Fully Qualified Domain Name of the NTP server or

SNTP =

server. This field MUST be encoded as described in [RFC3315], section 8."

<br> I think this should be clearer that IDN names are not allowed= here.

<li> Tim Polk: Discuss [2009-08-26]: There are three issues I would lik=

e to addressed before this document is published.

<br> (1) This document is unclear with respect to the inclusion of=

other suboptions in addition to the one and only one time source supotion.

<br> Section 2.1 indicates that only server location will be inclu= ded:

<br> "While the NTP specification defines a comprehensive set of c=

onfiguration parameters, modification of those parameters is best left to t=

he decision of the client itself. The DHCPv6 option for NTP is then restric=

ted to server location."

<br> Section 3 indicates that all configuration information  
 relate=  
 d to an NTP server will appear in suboptions, and implies that other  
 subopt=  
 ions could appear (beyond time source). From the first paragraph:  
 <br> "This option serves as a container for all the information  
 re=  
 lated to one NTP server or SNTP server."  
 <br> From the second paragraph:  
 <br> "The option itself does not contain any value. Instead, it  
 co=  
 ntains one or several suboptions that carry NTP server or SNTP server  
 confi=  
 guration information. This option MUST include one, and only one, time  
 sour=  
 ce suboption."  
 <br> Does the working group intend to limit the set of  
 suboptions =  
 that can appear to the time source suboptions, or is it just that this  
 is t=  
 he only relevant suboption defined to date?  
 <br> (2) There are two statements in section 2.1 that I could  
 not =  
 wrap my brain around. =20  
 <br> (2a) First, I had trouble with the second sentence of the  
 fir=  
 st paragraph. The first two sentences are:  
 <br> "The NTP service is publicly offered on the Internet by a  
 num=  
 ber of organizations. Those servers can be used but not abused, so any  
 met=  
 hod which is tasked to disseminate locations of NTP Servers must act  
 respon=  
 sibly in a manner that does not lead to public server overloading."  
 <br> I actually believe that those servers \*can\* be abused, and  
 th=  
 at abuse may be hard to correct with hardcoded configuration. This  
 option i=  
 s designed to support responsible use of the public resources. Is that  
 wh=  
 at was meant here?  
 <br> (2b) At the end of the second paragraph of section 2.1,  
 the d=  
 ocument states:  
 <br> "DNS can be used to redirect misconfigured clients to an  
 unex=

isting IPv6 address instead of having to change the address of the NTP  
serv=  
er itself."

<br> What is an "unexisting IPv6 address"?

<br> (3) In section 4, the FQDN example provides the exact  
encodin=  
g, but the unicast and multicast examples do not provide the encoding  
for t=  
he addresses. For consistency and utility, the unicast and multicast  
exampl=  
es should provide the exact encoding.

<br> Comment [2009-08-26]: In addition to identifying items

(2a) a=  
nd (3) above, Glen Zorn's (late) secdir review dated August 24 provides  
som=

e suggested wording changes. I would encourage the authors to review  
Glen's=

suggestions and incorporate those that they find helpful.

<li> Dan Romascanu: Comment [2009-08-27]: I support the DISCUSSES by  
Ru=  
ss and Adrian concerning the relationship with RFC 4705.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: open, Lisa, "yes"

<li> Ralph: Tim technical issues, will ask them to send back to WG  
to c=

heck consensus, extensions to sub-options (what might sub-options do?);

wor=

ding/clarification issues discussing with authors; obsoleting 4075? what  
do=

es obsolete mean - e.g. code points? my impression is code-point would  
not =

be eligible for reassignment; what about "deprecate" vs "obsolete"

<li> Tim: unless something about 4075 was broken, "deprecate" seems  
cle=

aner

<li> Ralph: revised-ID needed, explaining deprecating

<li> Michelle: IANA questions: sub-options registry

<li> Ralph: folded into question about what sub-options might do

</ul><P>

</li>

</ol>

<p><b>2.1.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>2.2 Individual Submissions</b></p>

<p><b>2.2.1 New Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>2.2.2 Returning Items</b></p>

<ol>

<li> Elliptic-Curve Algorithm Integration in the Secure Shell  
Transport Layer (Proposed Standard)

<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/  
2009-08-27/=  
draft-green-secsh-ecc-08.html"> draft-green-secsh-ecc-08 </a>

<br>IPR: <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/  
2009-08-27/1004/index.html"> Certicom's Statement about IPR related to RFC  
4346, =  
RFC 5246, RFC 5289, RFC 4492, RFC 2409, RFC 4306, RFC 4754, RFC 4753,  
RFC 4=869, RFC 4253, RFC 2633, RFC 3278, RFC 4347, RFC 4366, RFC 4109, RFC  
4252, =  
RFC 3850, RFC 3851, RFC 5008, draft-ietf-tls-rfc43... </a>

<br>IPR: <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/  
2009-08-27/1153/index.html"> Certicom's Statement about IPR related to RFC  
4346, =  
RFC 5246, RFC 5289, RFC 4492, RFC 2409, RFC 4306, RFC 4754, RFC 4753,  
RFC 4=869, RFC 4253, RFC 2633, RFC 3278, RFC 4347, RFC 4366, RFC 4109, RFC  
4252, =  
RFC 3850, RFC 3851, RFC 5008, draft-ietf-tls-rfc43... </a>

<br>IPR: <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/  
2009-08-27/1154/index.html"> Certicom's Statement about IPR related to RFC  
4346, =  
RFC 5246, RFC 5289, RFC 4492, RFC 2409, RFC 4306, RFC 4754, RFC 4753,  
RFC 4=869, RFC 4253, RFC 2633, RFC 3278, RFC 4347, RFC 4366, RFC 4109, RFC  
4252, =  
RFC 3850, RFC 3851, RFC 5008, draft-ietf-tls-rfc43... </a>

<br>Token: Tim Polk; Note: Jeffrey Hutzelman (jhutz@cmu.edu) is

document=

shepherd

<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/ballot/2705/index.html">Balloting</a>:

<ol>

<li> Pasi Eronen: Discuss [2009-08-26]: I have reviewed draft-green-secsh-ecc-08, and have couple of concerns that I'd like to discuss before recommending approval of the document:

<br> Section 3.1.2, last paragraph, is not consistent with the definition of "mpint" type in RFC 4251, which specifies slightly different octet string encoding for integers.

<br> In Section 6.1, the document doesn't tell which ASCII representation of OIDs is used. The reference [ASN1] usually uses space-separated = ASCII representation, but the example in Section 6.3 suggests that dot-separated might be the intended one.

<li> Russ Housley: Comment [2009-08-25]: Please consider the changes raised in the Gen-ART review by Miguel Garcia, which can be found here:

<br> http://www.softarmor.com/rai/temp-gen-art/draft-green-secsh-ecc-08-garcia.txt

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: number of open, (none changed)

<li> Tim: revised-ID needed, author has revisions ready

</ul><P>

<li> IESG Procedures for Handling of Independent and IRTF Stream Submissions (BCP)

<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/draft-housley-iesg-rfc3932bis-08.html"> draft-housley-iesg-rfc3932bis-08</a>

<br>Token: Jari Arkko; Note: There is no document shepherd

<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/

telec=  
 hat/2009-08-26/ballot/2895/index.html">Balloting</a>:  
 <ol>  
   <li> Jari Arkko: Discuss [2009-08-13]: Holding a Discuss until -08  
 is p=  
 osted and the IESG (including Cullen) has had a chance to look at the  
 docum=  
 ent.  
     <li> Ross Callon: Comment [2008-12-04]: I agree with the DISCUSS  
 commen=  
 ts by Cullen and Dan, but will let them hold the DISCUSS votes.  
     <li> Adrian Farrel: Comment [2009-04-23]: A bunch of comments. The  
 RFC =  
 Editor might catch some of these, but not all. Check carefully because  
 some=  
     of them have a subtle effect on the meaning.  
       <br> 1. Abstract: The Abstract contains an unnecessary note to  
 the=  
     RFC Editor  
       <br> {{{ RFC Editor: Please change "RFC XXXX" to the number  
 assign=  
 ed to this document prior to publication. }}}  
       <br> There is no reference to "RFC XXXX" in the document.  
       <br> 2. Section 1: "Documents published in streams other than  
 the =  
 IETF Stream may not"  
       <br> s/may/might/  
       <br> 3. Section 1A "Once these procedures are fully adopted,  
 the I=  
 ESG will continue to be responsible only for checking for conflicts  
 between=  
     the work of the"  
       <br> s/will continue to be responsible only/will be responsible  
 on=  
 ly/  
       <br> 4. Section 2: s/IRTF stream/IRTF Stream/  
       <br> 5. Section 3: s/publications as RFC/publication as RFCs/  
       <br> 6. Section 3: s/types of conclusions/types of conclusion/  
       <br> 7. Section 3: s/for &lt;X&gt;/for WG &lt;X&gt;/  
       <br> 8. General: Would be nice to consistent about  
 "Independent S=  
 tream" or "Independent Submission Stream"  
     <li> Dan Romascanu: Comment [2008-12-04]: The current combination of  
 rf=  
 c3932bis and 'IAB Headers and Boilerplate' leaves out an important  
 message =

that was included in the IESG Note.

<br> Let us take the text for IRTF stream documents. The text in d=raft-iab-streams-headers-boilerplates-04.txt

<br> IRTF Stream: "This document is a product of the Internet Res=earch Task Force (IRTF). The IRTF publishes the results of Internet-related=

research and development activities. These results might not be suitable f=or deployment. This document has been approved for publication by the IRSG.=

It is not a product of the IETF and is therefore not a candidate for any =level of Internet Standard; see section Section 2 of RFCXXXX."

<br> is much weaker IMO than the text in the RFC 3932 IESG note:=  
=20

<br> "This RFC is not a candidate for any level of Internet Standa=rd. The IETF disclaims any knowledge of the fitness of this RFC for any pu=rpse and in particular notes that the decision to publish is not based on =IETF review for such things as security, congestion control, or inappropria=te interaction with deployed protocols."

<br> Missing to say 'is not based on IETF review' is essential IMO=  
.=20

<br> I sent a note to the IAB, as the fix should be in the IAB doc=ument.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: deferred (will discuss under mgmt items)

</ul><P>

</ol>

<p><b>3 Document Actions</b></p>

<p><b>3.1 WG Submissions</b></p>

<p><b>3.1.1 New Items</b></p>

<ol>

<li> NAT Behavior Discovery Using STUN (Experimental)

[draft-ietf-behave-nat-behavior-discovery-07](http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/draft-ietf-behave-nat-behavior-discovery-07.html)

IPR: [Nortel Networks Statement about IPR in draft-ietf-behave-nat-behavior-discovery](http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/919/index.html)

IPR: [Nortel Networks Updated Statement about IPR claimed in draft-ietf-behave-nat-behavior-discovery](http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/945/index.html)

Token: Magnus Westerlund

Extracted from [Balloting](http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/ballot/2877/index.html):

- Lisa Dusseault: Discuss [2009-08-10]: This is a good document & I have a few comments. Most of the comments are minor; the question about discussing covering a STUN server with this new usage supported is probably the biggest issue. But it's probably not a blocking issue, so I plan to clear this DISCUSS and let the authors handle this input as they will, after getting a chance to discuss on the telechat.

Section 1.

Got really confused reading this paragraph for a number of reasons: agency, context, and obsolete references.

"The applications of this STUN usage are very different than the original use of RFC3489 [RFC3489], which was intended for static determination of device behavior. The NAT Behavior Discovery STUN usage makes an explicit statement that it is not, and cannot be, correct 100% of the time, but is still very useful. More generally, one of the important differences between 3489 and ICE is that ICE ensures there is always a fallback to

TUR=  
N, and thus avoids the problem experienced by 3489-based applications  
that =  
tried to determine in advance whether they would need a relay and what  
thei=  
r peer reflexive address will be, which are both impossible. This STUN  
usag=  
e requires an application using it to have a fallback, but unlike ICE's  
foc=  
us on the problems inherent in VoIP sessions, doesn't assume that it  
will o=  
nly be used to establish a connection between a single pair of machines,  
an=  
d so alternative fallback mechanisms may make sense. For example, in a  
P2P=  
application it may be possible to simply switch out of the role where  
such=  
connections need to be established or to select an alternative indirect  
ro=  
ute if the peer discovers that, in practice, 10% of its connection  
attempts=  
fail."

<br> If I was able to interpret correctly, then this  
restatement \*=  
ought\* to be correct and provide a little more context. In addition, it  
ref=  
lects that STUN is now RFC5389, which probably needs to be fixed  
elsewhere =  
too. "This STUN usage" is also pretty hard to qualify when other STUN  
usage=  
s are also being discussed ("the STUN usage defined in this  
specification" =  
is clear but long), so it would be good to give this STUN usage a  
name...?

<br> The applications of this STUN usage differ from the  
original =  
use of STUN (originally [RFC3489], now [RFC5389]). This specification  
ackno=  
wledges that the information gathered in this usage is not, and cannot  
be, =  
correct 100% of the time, whereas STUN focused only on getting  
information =  
that could be known to be correct and static.

<br> This specification can also be compared to ICE. ICE  
avoids t=  
he problem experienced by applications using STUN to determine in

advance w=  
hether they would need a relay and what their peer reflexive address  
will b=  
e, which are both impossible [are these really individually impossible  
or j=  
ust impossible to do together or impossible to do in advance?]. ICE  
avoids =  
this problem by falling back to TURN, another usage of STUN. ICE focuses  
on=  
problems inherent in VoIP sessions, which require a connection between  
a s=  
ingle pair of machines. The STUN usage defined in this specification  
requir=  
es an application using it to have a fallback, but doesn't assume that  
it w=  
ill only be used to establish a connection between a single pair of  
machine=  
s, and so alternative fallback mechanisms may make sense. For example,  
in a=  
P2P application it may be possible to simply switch out of the role  
where =  
such connections need to be established or to select an alternative  
indirec=  
t route if the peer discovers that, in practice, 10% of its connection  
atte=  
mpts fail.

<br> Section 2.: The acronym expansion for STUN has changed,  
it's =  
Session Traversal Utilities,  
not Simple traversal Under.

<br> "NAT/FW" is not defined... I assume this is "NAT/  
Firewall"?=  
=20

<br> Section 3.6 "3.6. Detecting Generic ALGs" --> define or  
expan=  
d ALG acronym

<br> Section 5.1: The first phrase in this section implies that  
th=  
e client could configured with a transport address to a STUN server  
support=  
ing this usage, but how would it know? Couldn't it be configured with a  
tra=  
nsport address to a STUN server that does \*not\* support the usage? Is  
ther=  
e a way of testing support for this usage that can't be conflated with a  
NA=

T failure?

<br> Section 7.3A "It is useful for detecting twice NAT configurations."

--> Should this be "double NAT configurations"?

<li> Russ Housley: Comment [2009-08-25]: Please consider the changes raised in the Gen-ART review by Pete McCann. Pete reviewed -06, but the changes needed to address his comment were not made in -07. The review can be found here:

<br> <http://www.softarmor.com/rai/temp-gen-art/draft-ietf-behavior-discovery-06-mccann.txt>

<li> Cullen Jennings: Discuss [2009-08-27]: The usage of RESPONSE-TARGET seems like it would only need to allow the response port, not IP address to be changed. This would improve the security situation. Why is the IP address allowed to change?

<li> Dan Romascanu: Discuss [2009-08-27]:<br> 1. The document presents as principal usage of NAT behavior discovery network diagnostics for 'network administrator or system programmer trying to determine the causes of network failure; particularly when behavior varies by load, destination, or other factors that may be related to NAT behavior'. This almost sounds like another OAM layer, or duplicating the OAM layer functionality. It is not clear however how this is going to be activated, will this run permanently or on demand, how are results being collected by an operator using discovery as a diagnostics tool

<br> 2. I do not understand well what 'experimental success' section 2.3 refers to. This is not about the success of the experiment of the discovery method, but rather about whether an application can improve its behavior. Using the 'Experimental Success' title for this section is confusing.

<br> Comment [2009-08-27]: At the end of Section 1:20

<br> "If a draft specifies the use of any portion of this STUN  
 use=  
 ge, that draft MUST document"  
 <br> Probably some other term than 'draft' should be used  
 <li> Robert Sparks: Comment [2009-08-26]: There are a few constants  
 cal=  
 led out in the document (15 minutes for holding an unused port, not  
 generat=  
 ing more than ten new transactions per second, etc.). Providing some  
 motiva=  
 tion for the values you chose would be useful.  
 <br> In section 6.1, "ensure that it does not generate a  
 Response =  
 on a particular address"=20  
 <br> should be  
 <br> "ensure that it does not generate a Response to a  
 particular =  
 address"  
 <br> The sentence after that would really benefit from  
 simplifica=  
 ton.  
 <br> Nits: The end of section 2.2: "these two requirements"  
 point =  
 back to a list of 3 things.  
 <br> 2nd paragraph of 4.5: "Section Section"  
 <br> Just before 5.1: expand RT0s  
 </ol>  
 <P><b>Telechat</b>:</P>  
 <ul>  
 <li> (taken up first)  
 <li> Amy: Magnus not here  
 <li> Cullen: more warning text has been added; big issue is  
 confusion a=  
 bout goal: started as approaches to diagnosing NATs (correct behavior);  
 mov=  
 ed toward STUN, expecting to detect what kind of NAT it's behind:  
 decided t=  
 hat's not possible; this document tries to bring back that function:  
 they'v=  
 e documented many problems; still doesn't say how to build into an app  
 (bun=  
 ch of random text); as individual, I'd prefer to send it back, as AD I  
 sett=  
 led for warning text  
 <li> Tim: really not enough information about how to use it it the  
 wild=

: seems it would fail too often to be useful; not clear when you must  
fall =  
back  
    <li> Cullen: by the time you have something usable, it's ICE  
    <li> Tim: for standards track, we'd need to resolve more; for  
experimen=  
tal I'm happy to stay as "No position"  
    <li> Dan: not clear how a network operator would use this tool;  
"experi=  
mental" confuses me - what constitutes success? want better wording  
    <li> Cullen: if they were trying to find what percentage works, the  
pap=  
ers are already published  
    <li> Dan: explaining more would help me understand it  
    <li> Cullen: mechanism to send packet "anywhere" -- amounts to  
anonymiz=  
ing; I don't agree they need to change IP address (not just port); STUN  
ser=  
vers are often placed with great connectivity; existing STUN servers  
don't =  
implement the protective measures they recommend  
    <li> Amy: Magnus not here: should this be AD-followup or Revised-ID  
    <li> Cullen: for me, AD-followup would be right  
</ul><P>

    <li> MPLS Forwarding Benchmarking Methodology for IP Flows  
(Informational)  
    <br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/  
2009-08-27/=  
draft-ietf-bmwg-mpls-forwarding-meth-05.html"> draft-ietf-bmwg-mpls-  
forward=  
ing-meth-05 </a>  
    <br>Token: Ron Bonica  
    <br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/  
telec=  
hat/2009-08-27/ballot/3105/index.html">Balloting</a>:  
    <ol>  
    <li> Ralph Droms: Comment [2009-08-26]: This sentence in Section 2  
does=  
n't parse:  
        <br> "The fact that MPLS forwarding places a different burden  
on t=  
he resources of the network forwarding devices from that of IP  
forwarding, =  
MPLS forwarding benchmarking specifics are desired."  
    <li> Adrian Farrel: Discuss [2009-08-26]: This is a fine document,

and =  
I'm glad you produced it. I have a couple of questions I'd like to see  
reso=  
lved before it moves forward for publication.

- <br> IPv6 support?
- <br> I think it is your intention to support IPv6.=20
- <br> Section 4.1.8 says that the Ethertype should be checked/

repor=  
ted against "0x8847 or 0x8848 vs. 0x0800"

- <br> You need to add 0x86DD.
- <br> That said, a common behavior for carrying IPv6 in MPLS is

to =  
use the IPv6 explicit null label. I assume you require this facility to  
be =  
configured off. You might say so somewhere to help people understand how  
to=  
keep the label stack to depth 1.

- <br> Frame Loss and Misdelivery
- <br> Early in section 4.1.8 you have:
- <br> "Specifically, traffic loss (also referred to as frame

loss) =  
is defined as the traffic (i.e. one or more frames) not received where  
expe=  
cted (i.e. received on incorrect port, or received with incorrect layer2  
or=  
above header information etc.)."

- <br> But then you say...
- <br> "An even greater level of verification would be to check

if t=  
he correct label was pushed, but that is out of scope for these tests."

- <br> I'm surprised.=20
- <br> You check that the packets arrive on the correct Bn. in

other=  
words you check that the port forwarding is correct. But you don't  
think t=  
hat the label imposition/swap is also an important feature? MPLS is no  
use =  
unless the correct label has also been applied. You might as well not  
bothe=  
r checking that the output port is correct.

- <br> I think label checking is a fundamental part of frame loss

ev=  
aluation.

- <br> Why is this out of scope?
- <br> Note that 6.1.2 says...
- <br> "The test tool must receive MPLS packets on receive ports

Bp =  
 (from DUT) with the same label values that were advertised using the  
 label =  
 distribution protocol."

<br> I think you need to clarify section 6.3 to state that a  
 misdi=  
 rected frame (i.e. received on the wrong Bn) is considered as lost. This  
 is=  
 not clear from RFC 2544 or even from RFC 1242 (referenced by 2544).  
 <br> Then you have to decide whether a frame with the wrong  
 label =  
 is "lost". I think it is.  
 <br> Section 6: There is an interesting assumption in...

=

=20  
 <br> "However, if the forwarding throughput of the DUT is more  
 tha=  
 n that of the media rate of a single port, then additional ports on A  
 and B=  
 Modules MUST be enabled so as to exceed the DUT's forwarding  
 throughput."

<br> That is, what happen if the DUT is spec'd such that its  
 forwa=  
 rding=20  
 throughput capability is greater than the capacity of half of its ports?  
 <br> The problem is also more subtle than described because the  
 tr=  
 affic sent into the collected An must not result in any one Bn being  
 overlo=  
 aded.

<br> Section 6.1.2  
 <br> "The DUT's MPLS forwarding table (also referred to as FEC-  
 to-=  
 NHLFE (FTN) mapping table per [RFC3031]) must contain non-reserved MPLS  
 lab=  
 el values as the outgoing and incoming labels for the learned IP  
 prefixes, =  
 resulting in MPLS-to-MPLS forwarding operation e.g. label swap.  
 <br> The FTN is not used in label swapping. You may refer to  
 the I=  
 ncoming Label Map (ILM) identifying an entry in the NHLFE. Or you can  
 talk =  
 about the Label Forwarding Information Base (LFIB).  
 <br> This is also the case for 6.1.3 and 6.1.4.  
 <br> Section 6.5  
 <br> "Note that BMWG plans to produce a separate document

focusing=

on 'reset' aspects of benchmarking in order to ensure clarity and

consiste=

ncy in reset procedures beyond what's specified in RFC2544."

<br> This document does not specify the reset procedures. The

text=

below describes the MPLS forwarding benchmarking specific setup that

will =

have to be used in conjunction with the procedures from the separate

documen=

t to make this test case meaningful."

<br> I think you would have got away with this had you already

sta=

rted such a document or at least if you had a charter milestone. But it

loo=

ks very much to me that this might not happen.=20

<br> Can you give any assurances that say that it wouldn't be

bett=

er to delete this section?

<br> Comment [2009-08-26]: A variety of nits...

<br> Figure 1: The text refers to DUT ports DA1...DAp and

DB1...DB=

p, but the figure only shows DA1, DA2, DB1, and DB2.

<br> Section 4: "p =3D> 2" might more usually be expressed as

"p >=

=3D 2"

<br> Section 4.1.1: I am uncomfortable with the equation of

"remot=

e network" with "MPLS FEC". Perhaps you can say "IP Prefix FEC".

<br> Section 4.1.2: Is the term "highly RECOMMENDED" a new

contrib=

ution for draft-ietf-rfc2119bis-00.txt?

<br> I think you can either stay with "RECOMMENDED" or move to

"MU=

ST".

<br> Section 4.1.4.1: "This document requires only a single

entry =

in the MPLS label stack in an MPLS packet."

<br> I think you intend to go further, don't you? Specifically,

yo=

u don't support more than one label in the stack.

<br> Section 4.1.4.4: s/Section 4.1.3.1/Section 4.1.4.1/

<br> Section 4.1.5: Your section numbers referenced are out by

-0.=

0.1

<br> See 4.1.4.1, 4.1.4.2, and 4.1.3.

<br> May be endemic. Check the whole document.  
 <br> Section 4.1.7: s/vaue/value/  
 <li> Russ Housley: Discuss [2009-08-25]: Please see section 4 of this I=

ESG statement:

<br> <http://www.ietf.org/iesg/statement/ad-sponsoring-docs.html>  
 <br> IETF Last Call is needed for this document.

</ol>

<P><b>Telechat</b>:</P>

<ul>

<li> Amy: couple of discusses  
 <li> Ron: Adrian's we agree, Russ's ...  
 <li> Russ: we need to make sure adequate review happens; cross-area

reviews help, sometimes we get them, this time they came very late; are we

getting the review we need: I'm willing to clear

<li> Ron: genart and security reviews are helpful, don't want

everything to have to be last-called

<li> Russ: if WG is doing OK and we're satisfied=20  
 <li> Ron: why doesn't every WG require LastCall?  
 <li> Ron: some need LastCall regardless of status, but here, BMWG is

staying in their backyard; rule may be fuzzy: I think there are cases

where other areas are affected, but this isn't one

<li> Jari: we have a rule to LastCall all individual-via-AD; but

this case is different; don't want rule that all WG submissions need LastCall

<li> Tim: I actually do LastCall everything, but this is a strong

case =

for not needing cross-area review: different from security area

<li> Ron: their charter says "lab-only, not Internet"  
 <li> Jari: I almost always LastCall, but question is where do we

focus =

our resources: I want to concentrate on important things

<li> Ross: for something like this, it's not clear anybody outside

WG cares

<li> Cullen: worry about overloading the system  
 <li> Ross: most folks hit "delete" right away when reading LastCall

calls

<li> Robert: interesting that we re-LastCall for a downref  
 <li> Ron: revised-ID needed

</ul><P>

<li> Network Mobility Route Optimization Requirements for Operational Use=

in Aeronautics and Space Exploration Mobile Networks (Informational)

<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/=

draft-ietf-mext-aero-reqs-04.html"> draft-ietf-mext-aero-reqs-04 </a>

<br>Token: Jari Arkko; Note: Document Shepherd is Marcelo Bagnulo Braun =

&lt;marcelo@it.uc3m.es>

<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telec=

hat/2009-08-27/ballot/3132/index.html">Balloting</a>:

<ol>

<li> Adrian Farrel: Comment [2009-08-26]: I found this to be a particul=

arly well-written document. I wish half the requirements documents I read w=

ere half as good.

<li> Russ Housley: Comment [2009-08-25]: Please consider the comments i=

n the Gen-ART Review by Vijay Gurbani posted on 20-Aug-2009:

<br> 1) What is the "Gatelink system"? There are at least two inst=

ances of it in the draft. Any reference or a short sentence describing this=

would help the reader not verbose in this particular domain.

<br> 2) Missing closing bracket ')' in Section 2.1.1, third paragr=

aph, third line; i.e., should be "... in Appendix A.)"

<li> Cullen Jennings: Comment [2009-08-27]: I don't believe these requi=

irements adequately cover the requirements for ATS data. For example, "Req3 =

- Latency" is a solution to mitigate latency, not an actual requirement tha=

t bounds latency.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: no discusses, approved

<li> Jari: Cullen not here, wanted more specific requirements, abstained

<li> Amy: approved, notes OK

</ul><P>

<li> Application of Ethernet Pseudowires to MPLS Transport Networks  
(Info=rmational)

<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/=draft-ietf-pwe3-mpls-transport-04.html"> draft-ietf-pwe3-mpls-transport-04 =  
</a>

<br>Token: Ralph Droms; Note: Matthew Bocci (matthew.bocci@alcatel-lucen=t.com) is the document shepherd; Was deferred by Ross Callon on 2009-08-13

<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telec=hat/2009-08-27/ballot/3152/index.html">Balloting</a>:

<ol>

<li> Adrian Farrel: Discuss [2009-08-12]: Discuss-Discuss

<br> Despite the fact that I \*hate\* the concept of a Discuss-Discu=ss, I want to have a discussion on the telechat with the rest of the IESG b=efore we proceed with this draft. I hope to remove this part of the Discuss= during the call without the need for involvement of the document shepherd= or the authors.

<br> The MPLS-TP work is pretty sensistive both from inter-SDO pol=itics and for commercial reasons. This draft dates back to a time before th= e current cooperative agreement between the IETF and ITU-T to work jointly = on MPLS-TP. The draft was originally conceived to demonstrate that (some of= ) the requirements of MPLS-TP could be met using existing MPLS and pseudowi= re tools.

<br> It has been last called on the PWE3 WG mailing list, and was = also last called to the MPLS WG list, but it did not form part of the MPLS-=TP effort.

<br> I want to be sure that this work is necessary and politically= advisable, as well not conflicting with the MPLS-TP work. This is

notwithstand-  
ing the text in Section 1 that says:  
    <br> "It is recognised that it is possible to design a more  
efficient  
method of satisfying the requirements, and the IETF anticipates that  
improved  
solutions will be proposed in the future."

    <br> Discuss  
    <br> Section 1 references requirements 30 and 31 in I-D.ietf-  
mpls-  
tp-requirements. The requirements numbering must have changed since this  
was  
written. You probably mean 31 and 32.

    <li> Russ Housley: Comment [2009-08-13]: The Gen-ART Review by  
Gonzalo  
Camarillo on 20-Jul-2009 includes a few things that should be  
considered:

    <br> All acronyms need to be expanded on their first use. This  
includes  
the title and the abstract of the draft.

    <br> Generally, abstracts should not contain references. I  
suggest  
removing the reference to RFC 4448 from it.

    <li> Dan Romascanu: Discuss [2009-08-12]: This is a DISCUSS-DISCUSS  
which

I plan to clear after or during the telechat after making sure that  
the IESG

debated all aspects of the decision to approve this RFC as  
Informational.

Sections 2, 3 and 4 seem to include normative text, requirements,  
and even

more - usage of control words, provisioning methods, etc. I  
understand

that requirements in PWE3 are being described by Informational RFCs in  
PWE3

but in this case we are discussing about using PWE3 transport for MPLS-  
TP.

Are we not going to be in the situation that these documents need to be  
PS

or BCP?

</ol>

<P><b>Telechat</b>:

<ul>

    <li> Amy: couple of discusses

    <li> Ralph: start with "wisdom of publishing"; Adrian, are you more  
con-

fortable?

- <li> Adrian: wanted to hear that consideration had been taken, and strengthen wording, came up with text to make me happy
- <li> Ralph: can do with RFCed note
- <li> Ross: concerned about delays, chose not to hold up our own work
- <li> Ralph: Dan, "normative" text, my take is normative is ordinary informational, doesn't make it a protocol definition
- <li> Dan: we've discussed other documents where ITU-T needed normative documents: is this likely to be that sort of case
- <li> Ross: not expecting ITU-T document would need to reference this one
- <li> Ralph: simply documenting stuff that's out there today
- <li> Dan: I cleared
- <li> Ralph: AD-followup, I'll put RFCed note in
- <li> Adrian: cross-check section numbering: somebody should check
- <li> Ralph: RFCed note if it needs to change

</ul><P>

</ol>

<p><b>3.1.2 Returning Items</b></p>

<ol>

<li> Extensions to OSPF to Support Mobile Ad Hoc Networking (Experimental)

<br><A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/="

draft-ietf-ospf-manet-or-02.html"> draft-ietf-ospf-manet-or-02 </a>

<br>IPR: <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telechat/2009-08-27/1167/index.html"> Cisco's Statement of IPR related to draft-ietf-

ospf-  
manet-or-02 </a>

<br>Token: Ross Callon

<br>Extracted from <A HREF=3D"http://wiki.tools.ietf.org/group/iesg/telec-

hat/2009-08-27/ballot/2985/index.html">Balloting</a>:

<ol>

<li> Jari Arkko: Comment [2009-01-15]:

<br> "Note that the active overlapping relays selection algorithm is implementation specific, and the above is simply a suggested algorithm. =

However, the behavior of the overlapping relays MUST follow that specified=

in the "Flooding and Relay Decisions" Section. Moreover, the same selection algorithm MUST be used by all nodes within an area."

<br> This should be raised earlier in the document. As written, the spec does not provide an interoperable solution. This may not be required for an experimental specification, but at the very least the reader should know about this after reading the introduction.

<br> "attached to the broadcast network. Such designated routers must be"

<br> typo

<br> Thomas Narten's quick review reaction was this:

<br> When you do incremental updates, there are all sorts of failure edge cases. It's a lot like how to correctly do a sliding window protocol. Just skimming the document, it's not presented in a way that explains the basic idea behind the details. For correctness, you need equivalent of 3-way handshake to be sure both sides are synchronized w.r.t. shared state.

<li> Ross Callon: Comment [2009-01-15]: I think that it is very unfortunate that we can't agree on one single standards track approach for supporting MANET networks with OSPF. However, I understand the difficulty here, and under the circumstances probably the least bad approach is to progress all three as experimental, and then hope to sort out differences with the aid of operational experience.

<li> Ralph Droms: Comment [2009-08-26]:

<br> It's only necessary to cite the reference for a citation to the doc on first mention; reading, e.g., "...modifications to [OSPFv3] to support..." throughout the doc is distracting.

<br> Acronym expansion for LSA? =20

<br> Are there some links missing or other typos in this network map?

```

<pre>
+----+I11          I21+----+I23   I=20
|RT1|+-----+---|RT2|-----|N1=20
+----+ |           | +----+      I=20
|           |       | VI22=20
|           |       | +=20
|           |       | I=20
|           |       | I=20
|           |       | I=20
|           |       | I=20
|           |       | +=20
|           |       | ^I41=20
+----+ |           | +----+=20
|RT3|+---+         +-|RT4|=20
+----+I31          I42+----+=20

```

</pre>      <br> E.g., should the leftmost vertical bars be shifted right 6 or so spaces?

<li> Adrian Farrel: Discuss [2009-08-26]: Sorry to point this out, but =

you have an Experimental I-D that is requesting the allocation of two bits =

in the Router-LSA Router Options field. RFC 4940 sets the allocation policy=

as Standards Action which (of course) demands a Standards Track RFC.

<br> (I guess IANA might also ask you why you have left bit 14 und=

efined, but I guess you know some other I-D in the pipeline.)

<br> (I'm also slightly nervous about the consequences of an Exper=

imental RFC creating a new protocol field and registry where there was prev=

iously a zero, but I can't see how this would cause harm.)

<br> PS. I have just been a victim of a similar issue with an OSPF=

v2 Experimental RFC. It sucks!

<li> Alexey Melnikov: Discuss [2009-08-26]: I generally like the docume=

nt, but I have some minor concerns described below:

<br> Section 3.2.1 says:

<br> "A new I bit is defined in the OSPFv3 option field. The bit i=

s defined for Hello packets and indicates that only incremental information=

is present. See Section 3.4 for placement of the I bit within the OSPFv3 =

options field."

<br> And section 3.4 says:

<br> Two new option bits are defined in the OSPFv3 Options

Field (=

defined in [OSPFv3], A.2) as follows:

<br> I bit - defined in Section 3.2.1: The I bit is only  
defined f=

or Hello packets and indicates that only incremental information is  
present.

<br> F bit - defined in Section 3.3.5: The F bit indicates that  
th=  
e node supports the Optimized Flooding mechanism as specified in this  
draft.

<br> So Section 3.4 doesn't really define the placement of the  
I b=  
it, but the section 5 does.

<br> 5. IANA Considerations

<br> "New TLV type codes are defined from LLS [LLS] TLV types

valu=

es.

<pre>

| TLV Name                     | TLV Type=20 |
|------------------------------|-------------|
| -----                        | -----       |
| State Check Sequence TLV     | 3           |
| Neighbor Drop TLV            | 4           |
| Request From TLV             | 5           |
| Full State For TLV           | 6           |
| Active Overlapping Relay TLV | 7           |
| Willingness TLV              | 8           |

</pre>

<br> Unless I am mistaken, this conflicts with the current  
allocat=

ions in &lt;<http://www.iana.org/assignments/ospf-lls-tlvs/ospf-lls-tlvs.xhtml>

ml&gt;.

<br> Comment [2009-08-26]:

<br> 1.2 Motivation for extending OSPF to support MANETs

<br> "The second motivation is that OSPF is a well understand

and =

widely"

<br> s/understand/understood

<br> 3.2.2 State Check Sequence TLV (SCS TLV)

<br> "SCS Number: A circular two octet unsigned integer

indicating=

the"

<br> This should say that it is in network byte order.

<br> 3.3.6 Active Overlapping Relay TLV (AOR TLV)

<br> "Reserved - Reserved for future use and MUST be ignored

upon =

reception."

<br> I think this should say that the value MUST be set to 0 by  
th=  
e sender.

<li> Tim Polk: Discuss [2009-08-27]: [This is a revised discuss,  
reflec=  
ting changes in the -02 draft].

<br> Ran Canetti provided significant comments in a secdir  
review =  
that was posted on 2 January 2009.

<br> The security considerations in the -02 draft is a  
significant=  
improvement, and does begin to address his general concerns. However,  
it d=  
oes not completely address the three specific examples highlighted in  
his r=  
eview.

<br> The new text DOES clearly addresses Ran's second issue,  
which=  
focused on increased instability of wired networks arising from  
connection=  
with a MANET.

<br> The new text does not fully address the first issue (false  
at=  
testations from authentic but malicious sources) and I did not see  
anything=  
regarding the third issue (locating and disconnecting undesirable  
endpoint=  
s).

<br> Please consider whether this issues constitute real  
security =  
threats. If they do, please draft some brief text (or include a pointer  
if =  
they are addressed in other documents). If you believe these issues are  
not=  
real threats, please let me know why they do not apply.

</ol>

<P><b>Telechat</b>:

<ul>

<li> Amy: number of discusses

<li> Ross: an hour ago is last I looked; think it's revised-ID  
needed (=

pause for his system to catch up); looks like stuff to do by email

</ul><P>

</ol>

<p><b>3.2 Individual Submissions via AD</b></p>

<p><b>3.2.1 New Items</b></p>=20

<ol>

<li> (none)

</ol>

<p><b>3.2.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>

<p><b>3.3 Independent Submissions via RFC Editor</b></p>

<p><b>3.3.1 New Items</b></p>

<ol>

<li> (none)

</ol>=20

<p><b>3.3.2 Returning Items</b></p>

<ol>

<li> (none)

</ol>=20

<P> 1256 EDT break

<P> 1301 EDT back

<ul>

<li> Jari Arkko--- y

<li> Ron Bonica--- y

<li> Ross Callon--- y

<li> Michelle Cotton--- y

<li> Ralph Droms--- y

<li> Lisa Dusseault--- y

<li> Lars Eggert--- y

<li> Pasi Eronen--- y

<li> Marshall Eubanks---=20

<li> Adrian Farrel--- y

<li> Sandy Ginoza--- y

<li> Russ Housley--- --

- <li> Cullen Jennings--- --
  - <li> Olaf Kolkman---=20
  - <li> John Leslie--- y
  - <li> Alexey Melnikov--- y
  - <li> Cindy Morgan--- y
  - <li> Dave Oran--- y
  - <li> Ray Pelletier---=20
  - <li> Tim Polk--- y
  - <li> Dan Romascanu--- y
  - <li> Robert Sparks--- y
  - <li> Amy Vezza--- y
  - <li> Magnus Westerlund---=20
- </ul>

<p><b>4 Working Group Actions</b></p>

<p><b>4.1 WG Creation</b></p>

<p><b>4.1.1 Proposed for IETF Review</b></p>

<ol>

<li> SIP Common Log Format (clf)=20

<br>Token: Robert

<P><b>Telechat</b>:

<ul>

<li> Amy: any objection to external review

<li> Russ: why didn't we call it sipclf

<li> Robert: fine with me, thing group would be fine

<li> Robert: milestone dates, will bump back a couple of months

<li> Amy: external review approved, pending edits from Robert

</ul><P>

</ol>

<p><b>4.1.2 Proposed for Approval</b></p>

<ol>

<li> Multicast Mobility (multimob)=20

<br>Token: Jari

<P><b>Telechat</b>:

<ul>

<li> Amy: any objection to creating

<li> Jari: two proposed WGCs, new version of charter sent by email

<li> Amy: approved pending ticket from Jari with WGCs and edits

</ul><P>

</ol>

<p><b>4.2 WG Rechartering</b></p>

<p><b>4.2.1 Under evaluation for IETF Review</b></p>

<ol>

<li> (none)=20

</ol>

<p><b>4.2.2 Proposed for Approval</b></p>

<ol>

<li> Internationalized Domain Names in Applications, Revised (idnabis)  
=20

<br>Token: Lisa

<P><b>Telechat</b>:

<ul>

<li> Amy: any objection to rechartering, approved

</ul><P>

<li> DNS Extensions (dnsext)=20

<br>Token: Ralph

<P><b>Telechat</b>:

<ul>

<li> Amy: moved to September 10 telechat

</ul><P>

</ol>

<p><b>5. IAB News We can use</b></p>

<ol>

<li> Dave: nothing, we didn't meet yesterday; various individuals  
working=

individually

</ol>

<p><b>6. Management Issues</b></p>

<ol>

<li> Status of 128.66.0.0/16 [IANA #256883] (Michelle Cotton)

<P><b>Telechat</b>:

<ul>

<li> (discussed after two-WGC)

<li> Michelle: O'Reilly years ago, that's all we found

<li> Jari: 3330 mentions 128.0 (should have listed everything  
special?)

<li> Russ: argument that the intent was that anything not listed was  
no=

t reserved

<li> Jari: 3330bis doesn't list it either; input seems to say return  
to=

free pool

<li> Russ: should we publicize?

<li> Jari: I like explicit notes in RFCs

<li> Russ: can we do that for 3330bis

<li> Michelle: could we do that in AUTH48

<li> Russ: 3330bis is in RFCed queue, examples document is in our LastC=

all: add text to it

<li> Jari: discussion is happening in our LastCall

<li> Russ: 3330bis is done, waiting for examples document

<li> Michelle: mentioned intent to return 192.0.128/17

<li> Russ: in fact 3330bis has a reference (informative), good to link,=

I'll put a ticket in

<li> Jari: should we mention on other forums?

<li> Ron: wouldn't hurt -- I'll forward a note

<li> Michelle: any comments on 192.0.128? (none)

<li> Amy: minutes to show "discussed"

</ul><P>

<li> Tracking changes to WG charters (Alexey Melnikov)

<P><b>Telechat</b>:

<ul>

<li> Alexey: how to help folks understand changes, Jari suggestion thre=

e pieces, think we should implement it

<li> Ross: agree it's a good idea

<li> Tim: agree

<li> Jari: requires secretariat web-space

<li> Russ: sure we can arrange it -- clear what direction we want;

I'll=

take the action item to work with secretariat

</ul><P>

<li> Should ADs have access to passwords to mailing lists for their respe=

ctive areas? (Alexey Melnikov)

<P><b>Telechat</b>:

<ul>

<li> Alexey: sent message, I asked WGC, he asked for IESG discussion

<li> User11: why would you want it? other solutions to inactive WGC

<li> Adrian: does Secretariat have passwords or just reset privileges

<li> Russ: they have admin privileges to add new

<li> Cullen: consider logon with your datatracker ID

<li> Russ: if problem arises, ask secretariat to add you as admin

</ul><P>

<li> Two chairs from the same company (Dan Romascanu)

<P><b>Telechat</b>:

<ul>

<li> Amy: Dan put text in jabber  
<li> Dan: disclosing affiliation where email address doesn't make it obvious

- <li> Tim: sends the right message without boxing us in
- <li> Cullen: send copy to WGC list
- <li> Dan: agreed to text for IESG wiki, and copy to=20

</ul><P>

<li> 3932bis discussion (Russ Housley)  
<P><b>Telechat</b>:

- <ul>
  - <li> Russ: 3932bis
  - <li> Cullen: how do IESG notes work; if they are "recommendations"
  - <li> Russ: no RFC says otherwise
  - <li> Cullen: no precedent for anything other than IESG controls

"IESG note"

- <li> Russ: we're discussing whether RFCed may choose not to include it
- <li> Cullen: we're moving to a model where there's no check/balance on = person for two years; community hasn't discussed this; we shouldn't change = away from 100%=20
- <li> Russ: in 3932 RFCed has discretion not to publish at all, but not= to publish without the note, 3932bis gives RFCed more leeway
- <li> Cullen: do you think we have consensus for that change -- do 3,000= folks who come to IETF agree to it; we're changing to "RFCed can do whatever they want"
- <li> Jari: 3932bis in trouble because we thought an always-on note would= d be better; polled community, they preferred notes on exceptions only
- <li> Cullen: my interpretation of that LastCall was few responses -- si= lence isn't always consensus
- <li> Jari: difference is fairly small; I want to respect what community= says during LastCall; folks had opportunity and chose to say nothing
- <li> Cullen: I'm commenting on draft published August 18; it's reasonab= le for me to ask to rerun LastCall
- <li> Russ: but it's always been this way in 3932bis

<li> Jari: a contradiction fixed in -08  
 <li> Russ: contradiction entered in -07  
 <li> Cullen: whole time we were discussing default-note, it never  
 came =  
 out that RFCed would have option to ignore it  
 <li> Robert: I've been asking folks if they noticed this issue; the  
 onl=  
 y folks I find who paid attention were part of RFCed or the board  
 <li> Robert: I went to no-objection on -07 because I believed it  
 didn't=  
 allow RFCed to ignore a IESG note  
 <li> Jari: don't believe it's a practical issue: as process issue,  
 we k=  
 eep talking about it while nobody else cares, I take it back to the  
 communi=  
 ty, the community doesn't agree with us  
 <li> Cullen: I don't know how you're judging consensus  
 <li> Jari: not a lot of feedback, but it was clearly in one  
 direction  
 <li> Russ: this document is normatively referenced in IAB document,  
 and=  
 holding it up.  
 <li> Cullen: I don't believe we've asked community about RFCed  
 option t=  
 o ignore  
 <li> Russ: -06 was the original LastCall; -07 also LastCalled  
 <li> Russ: this will be back on telechat in two weeks: if there's  
 any q=  
 uestion we should ask the community, now is the time to ask  
 <li> Jari: we could ask Cullen's question  
 <li> Cullen: I believe the AD should ask a clear question  
 <li> Jari: I don't like being the only one defending this -- I've  
 done =  
 this twice  
 <li> Cullen: I don't think the rfc-interest list is relevant to this  
 at=  
 all -- it should be the ietf list; I promise to reply if you post  
 <li> Jari: other than Cullen, who has a big concern here?  
 <li> Robert: I think we have a bigger concern about structure --  
 what w=  
 e're moving into; not comfortable concentrating on this one piece; If we  
 do=  
 n't have RFCed obligation to publish IESG note, I'm uncomfortable; I'm  
 frus=  
 trated at being told "shouldn't override the community" -- participation  
 is=

so small -- I promise to participate if discussion opens; though close to =  
blocking, I'm not on the other side yet

<li> Tim: I think some of the implications were lost on many of us:

If =

it's really the community position that RFCed would have power to change or=

omit IESG nates, I'd go along, but I don't think we're there yet. I will p=

articipate if the discussion starts

<li> Cullen: I'm not asking for a formal LastCall, but a clear question=

asked by the AD

<li> Jari: I'll send the question

<li> Tim: on the question of the IESG note should be exceptional, I thi=

nk the community has spoken and I accept that

<li> Amy: discussed, should I record more?

</ul><P>

<li> Approval of expert for RFC 2616 (http-parameters registry)  
(Michelle= Cotton)

<P><b>Telechat</b>:

<ul>

<li> Michelle: HTTP Parameters registry; Lisa + Alexey located one expe=

rt; is there any objection to Roy Fielding as the first expert

<li> Amy: hearing none, he is approved

</ul><P>

</ol>

<p><b>7. Agenda Working Group News</b></p>

<ul>

<li> Jari Arkko (Internet)--- close to closing PANA

<li> Ron Bonica (O & M)--- nothing

<li> Ross Callon (Routing)--- nothing

<li> Ralph Droms (Internet)--- none

<li> Lisa Dusseault (Applications)--- IDNAbis list of contributors

res=

olved=20

<li> Lars Eggert (Transport)--- none

<li> Pasi Eronen (Security)--- none

<li> Adrian Farrel (Routing)--- no thanks

<li> Russ Housley (General)--- pass

<li> Cullen Jennings (RAI)--- working towards closing ENUM,  
ph=  
one calls with ITU about codec  
<li> Alexey Melnikov (Applications)--- language ? group about to  
publis=  
h last two docs  
<li> Tim Polk (Security)--- not today  
<li> Dan Romascanu (O & M)--- nothing  
<li> Robert Sparks (RAI)--- no thanks  
<li> Magnus Westerlund (Transport)---=20  
</ul>  
=20  
=20  
<P>1410 EDT Adjourned  
<hr>  
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--V0207lvV8h4k8FAm--

Return-Path: <wwwrun@rfc-editor.org>  
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Delivered-To: iesg@core3.amsl.com  
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(Postfix) with ESMTP id 25B1C3A6A06 for <iesg@core3.amsl.com>; Tue, 11  
May 2010 14:43:00 -0700 (PDT)  
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X-Spam-Score: -1.014  
X-Spam-Level:  
X-Spam-Status: No, score=-1.014 tagged\_above=-999 required=5 tests=  
[AWL=-0.274, BAYES\_20=-0.74]  
Received: from mail.ietf.org ([64.170.98.32]) by localhost  
(core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id  
JBNJNbnN7EpE for <iesg@core3.amsl.com>; Tue, 11 May 2010 14:42:59 -0700  
(PDT)  
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core3.amsl.com (Postfix) with ESMTP id 85ABC3A6A8B for <iesg@ietf.org>;  
Tue, 11 May 2010 14:42:57 -0700 (PDT)  
Received: from localhost (localhost [127.0.0.1]) by c1a.amsl.com  
(Postfix) with ESMTP id 8255BE0898 for <iesg@ietf.org>; Tue, 11 May 2010  
14:42:47 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com

Received: from c1a.amsl.com ([127.0.0.1]) by localhost (c1a.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id ut1QXg9SA9ut for <iesg@ietf.org>; Tue, 11 May 2010 14:42:47 -0700 (PDT)  
Received: from rfc-editor.org (rfcpa [64.170.98.47]) by c1a.amsl.com (Postfix) with ESMTP id 6A581E0897 for <iesg@iesg.org>; Tue, 11 May 2010 14:42:47 -0700 (PDT)  
Received: by rfc-editor.org (Postfix, from userid 30) id 64E1EE0675; Tue, 11 May 2010 14:42:47 -0700 (PDT)  
To: ah@tr-sys.de, paul.hoffman@vpnc.org  
Subject: [Errata Held for Document Update] RFC4156 (177)  
From: RFC Errata System <rfc-editor@rfc-editor.org>  
Message-Id: <20100511214247.64E1EE0675@rfc-editor.org>  
Date: Tue, 11 May 2010 14:42:47 -0700 (PDT)  
Cc: alexey.melnikov@isode.com, iesg@iesg.org, rfc-editor@rfc-editor.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Tue, 11 May 2010 21:43:00 -0000

The following errata report has been held for document update for RFC4156, "The wais URI Scheme".

-----  
You may review the report below and at:  
[http://www.rfc-editor.org/errata\\_search.php?rfc=4156&eid=177](http://www.rfc-editor.org/errata_search.php?rfc=4156&eid=177)

-----  
Status: Held for Document Update  
Type: Editorial

Reported by: Alfred Hoenes <ah@tr-sys.de>  
Date Reported: 2005-09-11  
Held by: Alexey Melnikov (IESG)

Original Text  
-----

Corrected Text

-----

Notes

-----

Section 2 should be consistent with the systematic use of the term "URI" instead of "URL"

Rationale:

RFC 3986 (== STD 66), in section 1.1.3., at the bottom of page 7, specifies:

... Future specifications and related documentation should use the general term "URI" rather than the more restrictive terms "URL" and "URN" [RFC3305].

Admittedly, RFC1630 and RFC 1738 used the term "URL" -- but that was long before RFC 3986!

-----

RFC4156 (draft-hoffman-wais-uri-03)

-----

Title	: The wais URI Scheme
Publication Date	: August 2005
Author(s)	: P. Hoffman
Category	: HISTORIC
Source	: IETF - NON WORKING GROUP
Area	: N/A
Stream	: IETF
Verifying Party	: IESG

Return-Path: <wwwrun@rfc-editor.org>

X-Original-To: iesg@core3.amsl.com

Delivered-To: iesg@core3.amsl.com

Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com (Postfix) with ESMTP id EC6413A6A59 for <iesg@core3.amsl.com>; Tue, 11 May 2010 14:43:34 -0700 (PDT)

X-Virus-Scanned: amavisd-new at amsl.com

X-Spam-Flag: NO

X-Spam-Score: -1.941

X-Spam-Level:

X-Spam-Status: No, score=-1.941 tagged\_above=-999 required=5 tests=[AWL=0.658, BAYES\_00=-2.599]

Received: from mail.ietf.org ([64.170.98.32]) by localhost  
(core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id  
sy0gE2XXwtTn for <iesg@core3.amsl.com>; Tue, 11 May 2010 14:43:34 -0700  
(PDT)  
Received: from mail.amsl.com (mail.amsl.com [64.170.98.20]) by  
core3.amsl.com (Postfix) with ESMTP id BFDBE3A697B for <iesg@ietf.org>;  
Tue, 11 May 2010 14:43:33 -0700 (PDT)  
Received: from localhost (localhost [127.0.0.1]) by c1a.amsl.com  
(Postfix) with ESMTP id BA7D9E0898 for <iesg@ietf.org>; Tue, 11 May 2010  
14:43:23 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
Received: from c1a.amsl.com ([127.0.0.1]) by localhost (c1a.amsl.com  
[127.0.0.1]) (amavisd-new, port 10024) with ESMTP id 29G5NhDUCcgS for  
<iesg@ietf.org>; Tue, 11 May 2010 14:43:23 -0700 (PDT)  
Received: from rfc-editor.org (rfcpa [64.170.98.47]) by c1a.amsl.com  
(Postfix) with ESMTP id 69A42E0897 for <iesg@iesg.org>; Tue, 11 May 2010  
14:43:23 -0700 (PDT)  
Received: by rfc-editor.org (Postfix, from userid 30) id 64571E0675;  
Tue, 11 May 2010 14:43:18 -0700 (PDT)  
To: ah@tr-sys.de, paul.hoffman@vpnc.org  
Subject: [Errata Held for Document Update] RFC4157 (176)  
From: RFC Errata System <rfc-editor@rfc-editor.org>  
Message-Id: <20100511214323.64571E0675@rfc-editor.org>  
Date: Tue, 11 May 2010 14:43:18 -0700 (PDT)  
Cc: alexey.melnikov@isode.com, iesg@iesg.org, rfc-editor@rfc-editor.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
X-List-Received-Date: Tue, 11 May 2010 21:43:35 -0000

The following errata report has been held for document update  
for RFC4157, "The prospero URI Scheme".

-----  
You may review the report below and at:  
[http://www.rfc-editor.org/errata\\_search.php?rfc=4157&eid=176](http://www.rfc-editor.org/errata_search.php?rfc=4157&eid=176)  
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Type: Editorial

Reported by: Alfred Hoenes <ah@tr-sys.de>  
Date Reported: 2005-09-11  
Held by: Alexey Melnikov (IESG)

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Corrected Text

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RFC4157 (draft-hoffman-prospero-uri-03)

-----

Title	: The prospero URI Scheme
Publication Date	: August 2005
Author(s)	: P. Hoffman
Category	: HISTORIC
Source	: IETF - NON WORKING GROUP
Area	: N/A
Stream	: IETF
Verifying Party	: IESG

Return-Path: <wwwrun@rfc-editor.org>

X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com (Postfix) with ESMTP id B445B3A698F for <iesg@core3.amsl.com>; Thu, 29 Jul 2010 09:05:26 -0700 (PDT)  
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X-Spam-Flag: NO  
X-Spam-Score: -2.663  
X-Spam-Level:  
X-Spam-Status: No, score=-2.663 tagged\_above=-999 required=5 tests=[AWL=-0.064, BAYES\_00=-2.599]  
Received: from mail.ietf.org ([64.170.98.32]) by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id 5C22Wm4Dgrdh for <iesg@core3.amsl.com>; Thu, 29 Jul 2010 09:05:25 -0700 (PDT)  
Received: from mail.amsl.com (mail.amsl.com [64.170.98.20]) by core3.amsl.com (Postfix) with ESMTP id B64533A6A05 for <iesg@ietf.org>; Thu, 29 Jul 2010 09:05:25 -0700 (PDT)  
Received: from localhost (localhost [127.0.0.1]) by c1a.amsl.com (Postfix) with ESMTP id 01CB1E08A9 for <iesg@ietf.org>; Thu, 29 Jul 2010 09:05:50 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
Received: from c1a.amsl.com ([127.0.0.1]) by localhost (c1a.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id WY-DDer+gBru for <iesg@ietf.org>; Thu, 29 Jul 2010 09:05:49 -0700 (PDT)  
Received: from rfc-editor.org (rfcpa [64.170.98.47]) by c1a.amsl.com (Postfix) with ESMTP id D0B2FE089C for <iesg@iesg.org>; Thu, 29 Jul 2010 09:05:38 -0700 (PDT)  
Received: by rfc-editor.org (Postfix, from userid 30) id 9562CE06C3; Thu, 29 Jul 2010 09:05:38 -0700 (PDT)  
To: ah@tr-sys.de, jimsch@exmsft.com  
Subject: [Errata Held for Document Update] RFC4211 (2347)  
From: RFC Errata System <rfc-editor@rfc-editor.org>  
Message-Id: <20100729160538.9562CE06C3@rfc-editor.org>  
Date: Thu, 29 Jul 2010 09:05:38 -0700 (PDT)  
Cc: tim.polk@nist.gov, iesg@iesg.org, rfc-editor@rfc-editor.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,</>

X-List-Received-Date: Thu, 29 Jul 2010 16:05:26 -0000

The following errata report has been held for document update for RFC4211, "Internet X.509 Public Key Infrastructure Certificate Request Message Format (CRMF)".

You may review the report below and at:  
[http://www.rfc-editor.org/errata\\_search.php?rfc=4211&eid=2347](http://www.rfc-editor.org/errata_search.php?rfc=4211&eid=2347)

Status: Held for Document Update  
Type: Technical

Reported by: Alfred Hoenes <ah@tr-sys.de>  
Date Reported: 2005-11-08  
Held by: Tim Polk (IESG)

Section: 7.1

Original Text

Subsequently, near the top of page 24, the same section says:

The %xx mechanism of [RFC1738] is used to encode '?' (%3f) and '%' (%25) if they are not being used for their reserved purpose. Names MUST NOT start with a numeric character.

It should better say:

The %xx mechanism of Section 2.1 of STD 66 [RFC3986] is used to encode '?' (%3f) and '%' (%25) if they are not being used for their reserved purpose. Names MUST NOT start with a numeric character.

Corrected Text

[see above]

## Notes

Rationale: RFC 1738 has been obsoleted; the %-escaping method is now covered by the above mentioned section of that Internet Standard.

-----  
RFC4211 (draft-ietf-pkix-rfc2511bis-08)  
-----

Title : Internet X.509 Public Key Infrastructure  
Certificate Request Message Format (CRMF)  
Publication Date : September 2005  
Author(s) : J. Schaad  
Category : PROPOSED STANDARD  
Source : Public-Key Infrastructure (X.509)  
Area : Security  
Stream : IETF  
Verifying Party : IESG

Return-Path: <wwwrun@rfc-editor.org>

X-Original-To: iesg@core3.amsl.com

Delivered-To: iesg@core3.amsl.com

Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com  
(Postfix) with ESMTP id 6418B3A6A00 for <iesg@core3.amsl.com>; Thu, 29  
Jul 2010 09:05:42 -0700 (PDT)

X-Virus-Scanned: amavisd-new at amsl.com

X-Spam-Flag: NO

X-Spam-Score: -2.663

X-Spam-Level:

X-Spam-Status: No, score=-2.663 tagged\_above=-999 required=5 tests=  
[AWL=-0.064, BAYES\_00=-2.599]

Received: from mail.ietf.org ([64.170.98.32]) by localhost  
(core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id  
080H7f0PGJW3 for <iesg@core3.amsl.com>; Thu, 29 Jul 2010 09:05:41 -0700  
(PDT)

Received: from mail.amsl.com (mail.amsl.com [64.170.98.20]) by  
core3.amsl.com (Postfix) with ESMTP id 18B2228C141 for <iesg@ietf.org>;  
Thu, 29 Jul 2010 09:05:41 -0700 (PDT)

Received: from localhost (localhost [127.0.0.1]) by c1a.amsl.com  
(Postfix) with ESMTP id 636DEE08A9 for <iesg@ietf.org>; Thu, 29 Jul 2010  
09:06:05 -0700 (PDT)

X-Virus-Scanned: amavisd-new at amsl.com

Received: from c1a.amsl.com ([127.0.0.1]) by localhost (c1a.amsl.com  
[127.0.0.1]) (amavisd-new, port 10024) with ESMTP id hhBVjN42PAoD for  
<iesg@ietf.org>; Thu, 29 Jul 2010 09:06:05 -0700 (PDT)

Received: from rfc-editor.org (rfcpa [64.170.98.47]) by c1a.amsl.com  
(Postfix) with ESMTP id 4CDE4E089C for <iesg@iesg.org>; Thu, 29 Jul 2010  
09:06:05 -0700 (PDT)

Received: by rfc-editor.org (Postfix, from userid 30) id 49214E06C3;  
Thu, 29 Jul 2010 09:06:05 -0700 (PDT)

To: ah@tr-sys.de, jimsch@exmsft.com

Subject: [Errata Held for Document Update] RFC4211 (2349)  
From: RFC Errata System <rfc-editor@rfc-editor.org>  
Message-Id: <20100729160605.49214E06C3@rfc-editor.org>  
Date: Thu, 29 Jul 2010 09:06:05 -0700 (PDT)  
Cc: tim.polk@nist.gov, iesg@iesg.org, rfc-editor@rfc-editor.org  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Thu, 29 Jul 2010 16:05:42 -0000

The following errata report has been held for document update for RFC4211, "Internet X.509 Public Key Infrastructure Certificate Request Message Format (CRMF)".

-----  
You may review the report below and at:  
[http://www.rfc-editor.org/errata\\_search.php?rfc=4211&eid=2349](http://www.rfc-editor.org/errata_search.php?rfc=4211&eid=2349)

-----  
Status: Held for Document Update  
Type: Technical

Reported by: Alfred Hoenes <ah@tr-sys.de>  
Date Reported: 2005-11-08  
Held by: Tim Polk (IESG)

Section: 10.2

Original Text

-----  
On page 27, contains the following Ref. as its final entry:

[RFC1738] Berners-Lee, T., Masinter, L., and M. McCahill, "Uniform Resource Locators (URL)", RFC 1738, December 1994.

Corrected Text

-----  
[see above]

## Notes

-----  
According to Errata 2348, this should be removed, and a new Ref. [RFC3986] added -- to be taken from rfc-ref.txt .  
Given the nature and context of the use of this Ref. in section 7.1 -- see item (11) above -- and the STD Status of RFC 3986, then perhaps it is advisable to place this new Ref. into Section 10.1, Normative References, not in section 10.2, Informative References.

-----  
RFC4211 (draft-ietf-pkix-rfc2511bis-08)  
-----

Title : Internet X.509 Public Key Infrastructure  
Certificate Request Message Format (CRMF)  
Publication Date : September 2005  
Author(s) : J. Schaad  
Category : PROPOSED STANDARD  
Source : Public-Key Infrastructure (X.509)  
Area : Security  
Stream : IETF  
Verifying Party : IESG

Return-Path: <alexey.melnikov@isode.com>  
X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com (Postfix) with ESMTP id BDFB93A68E0; Thu, 16 Sep 2010 02:14:46 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -102.416  
X-Spam-Level:  
X-Spam-Status: No, score=-102.416 tagged\_above=-999 required=5 tests=[AWL=0.183, BAYES\_00=-2.599, USER\_IN\_WHITELIST=-100]  
Received: from mail.ietf.org ([64.170.98.32]) by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id 4dxrQgSGzkLN; Thu, 16 Sep 2010 02:14:38 -0700 (PDT)  
Received: from rufus.isode.com (rufus.isode.com [62.3.217.251]) by core3.amsl.com (Postfix) with ESMTP id E74173A6AE3; Thu, 16 Sep 2010 02:14:29 -0700 (PDT)  
Received: from [192.168.1.124] ((unknown) [62.3.217.253]) by rufus.isode.com (submission channel) via TCP with ESMTPA id <TJHF-gBIEdqQ@rufus.isode.com>; Thu, 16 Sep 2010 10:14:34 +0100  
X-SMTP-Protocol-Errors: NORDNS

Message-ID: <4C91D019.4000409@isode.com>  
Date: Thu, 16 Sep 2010 09:06:49 +0100  
From: Alexey Melnikov <alexey.melnikov@isode.com>  
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.7.12) Gecko/20050915  
X-Accept-Language: en-us, en  
To: iesg@ietf.org  
Subject: Management item: Moving the "mailserver" URI scheme from "Provisional" to "Historic"  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>, <mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>, <mailto:iesg-request@ietf.org?subject=subscribe>  
X-List-Received-Date: Thu, 16 Sep 2010 09:14:47 -0000

Dear Secretariat (BCCed),  
Please add the following management item to the September 23rd IESG telechat:

RFC 1738 defines the "mailserver" URI scheme as "Access to data available from mail servers". It doesn't provide any other details. I don't believe this URI scheme was ever deployed. There were an earlier attempt to document this URI scheme, but it failed. Opinion from people who participated in this attempt (Paul Hoffman, Martin Duerst) is that this scheme should be deprecated, partially because nobody can come up with an implementable definition of the scheme and partially because it was obsoleted by other URI schemes (e.g. the latest mailto:).

RFC 4395 (guidelines for registering URI schemes) says:

#### 4. Guidelines for Historical URI Scheme Registration

In some circumstances, it is appropriate to note a URI scheme that was once in use or registered but for whatever reason is no longer in common use or the use is not recommended. In this case, it is possible for an individual to request that the URI scheme be

registered (newly, or as an update to an existing registration) as 'historical'. Any scheme that is no longer in common use MAY be designated as historical; the registration should contain some indication to where the scheme was previously defined or documented.

### 5.3. Change Control

Provisional registrations may be updated by the original registrant or anyone designated by the original registrant. In addition, the IESG may reassign responsibility for a provisional registration scheme, or may request specific changes to a scheme registration. This will enable changes to be made to schemes where the original registrant is out of contact, or unwilling or unable to make changes.

Transition from 'provisional' to 'permanent' status may be requested and approved in the same manner as a new 'permanent' registration. Transition from 'permanent' to 'historical' status requires IESG approval. Transition from 'provisional' to 'historical' may be requested by anyone authorized to update the provisional registration.

Based on my reading of RFC 4395, I believe IESG can move this URI scheme registration from "Provisional" to "Historic".

Return-Path: <wwwrun@core3.amsl.com>  
X-Original-To: iesg@ietf.org  
Delivered-To: iesg@core3.amsl.com  
Received: by core3.amsl.com (Postfix, from userid 30) id A22613A69C0;  
Thu, 16 Sep 2010 16:07:19 -0700 (PDT)  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: The IESG <iesg@ietf.org>  
Subject: PRELIMINARY Agenda and Package for the September 23, 2010 IESG  
Teleconference  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
Message-Id: <20100916230719.A22613A69C0@core3.amsl.com>  
Date: Thu, 16 Sep 2010 16:07:19 -0700 (PDT)  
Cc: avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org,  
glenn@riveronce.com  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>

List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Thu, 16 Sep 2010 23:07:19 -0000

## AGENDA PACKAGE FOR 2010-09-23 IESG TELECHAT

### Contents:

1. Roll Call and Dial-In Instructions  
<https://www.ietf.org/iesg/internal/rollcall.txt>
2. Agenda  
<http://datatracker.ietf.org/iesg/agenda/?private>
3. Management Item Details  
[https://datatracker.ietf.org/cgi-bin/display\\_news.cgi?template\\_type=3](https://datatracker.ietf.org/cgi-bin/display_news.cgi?template_type=3)
4. Previous minutes  
<https://www.ietf.org/iesg/internal/minutes.txt>

---

### 1. ROLL CALL AND DIAL-IN INSTRUCTIONS

---

Dear IESG Members:

The next IESG teleconference will take place on Thursday, September 23, 2010 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, then please reply to this message as follows:

o If you are unable to participate, then please write "Regrets" after your name.

Jari Arkko---Will call in  
Ron Bonica---Will call in  
Stewart Bryant---Will call in  
Gonzalo Camarillo---Will call in  
Michelle Cotton---Will call in  
Ralph Droms---Will call in  
Linda Dunbar---Will call in  
Lars Eggert---Will call in  
Adrian Farrel---Will call in  
Sandy Ginoza---Will call in  
Susan Hares---Will call in

David Harrington---Will call in  
Russ Housley---Will call in  
Olaf Kolkman---Regrets  
Glenn Kowak---Will call in  
Barry Leiba---Will call in  
John Leslie---Will call in  
Danny McPherson--Will call in  
Alexey Melnikov---Will call in  
Cindy Morgan---Will call in  
Ray Pelletier---Regrets  
Tim Polk---Will call in  
Dan Romascanu---Will call in  
Peter Saint-Andre--Will call in  
Robert Sparks---Will call in  
Sean Turner---Will call in  
Amy Vezza---Will call in

-----  
Topic: IESG Teleconference Webex  
Date: Thursday, September 23, 2010  
Time: 8:30 am, Pacific Daylight Time (San Francisco, GMT-07:00)  
Meeting Number: 969 759 024  
Meeting Password: (This meeting does not require a password.)

\*\*\*Participants outside the U.S./Canada should use either one of the global toll numbers listed below, or use Skype to connect to the U.S. toll-free number. Participants using the global toll numbers will pay their own long distance charges through their own carriers.

\*\*\*Please DO NOT have WebEx connect you to the audio using your computer, or have WebEx call you back directly. For best audio quality, please connect using one of the numbers listed below, or by using Skype.

-----  
To join the online meeting (Now from iPhones too!)  
-----

1. Go to  
<https://workgreen.webex.com/workgreen/j.php?ED=129919827&UID=0&RT=MiM0>
2. Enter your name and email address.
3. Enter the meeting password: (This meeting does not require a password.)
4. Click "Join Now".
5. Follow the instructions that appear on your screen.

To view in other time zones or languages, please click the link:

<https://workgreen.webex.com/workgreen/j.php?ED=129919827&UID=0&ORT=MiM0>

-----  
To join the audio conference only  
-----

To join the audio conference, call the number below and enter the access code.

Call-in toll-free number (US/Canada): 866-699-3239

Call-in toll number (US/Canada): 1-408-792-6300

Global call-in numbers:

Australia Toll	+61 (0)2 82239752
Austria Toll	+43 (0)1 79576257
Belgium Toll	+32 (0)22006259
Denmark Toll	+45 38323066
Finland Toll	+358 (0)9 72519058
France Toll	+33 (0)157323123
Germany Toll	+49 (0)69 51709070
Hong Kong Toll	+852 30114556
Ireland Toll	+353 (0)1 6569197
Israel	1-80-9214668
Italy Toll	+39 02 69430409
Japan Toll	+81 (0)3 57675022
Luxembourg Toll	+352 3420808633
Netherlands Toll	+31 (0)20 2008070
New Zealand Toll	+64 (0)9 9200065
Norway Toll	+47 24159525
Singapore Toll	+65 66221061
South Korea Toll	+82 (0)234831042
Spain Toll	+34 912754164
Sweden Toll	+46 (0)8 50163255
Switzerland Toll	+41 (0)44 6545616
Taiwan Toll	+886 (0)2 21920244
UK Toll	+44 (0)20 70267693

Toll-free dialing restrictions:

[http://www.webex.com/pdf/tollfree\\_restrictions.pdf](http://www.webex.com/pdf/tollfree_restrictions.pdf)

Access code: 969 759 024  
-----

To join the audio conference using Skype  
-----

1. Bring up your Skype application.
2. Bring up your browser, and go to the WebEx URL.
3. Enter your name and email address.
4. Close the WebEx window prompting for a phone number.
5. Select the "info" tab at the top of the WebEx browser page.

6. Go to Skype, and dial the U.S. Toll-Free number from the meeting announcement.
7. Click on the DialPad tab on the Skype window.
8. Use the virtual keypad to enter the meeting number followed by #.
9. Use the virtual keypad to enter your attendee ID followed by #.

-----  
For assistance  
-----

1. Go to <https://workgreen.webex.com/workgreen/mc>
2. On the left navigation bar, click "Support".

You can contact me at:  
cmorgan@amsl.com  
1-510-492-4085

To update this meeting to your calendar program (for example Microsoft Outlook), click this link:  
<https://workgreen.webex.com/workgreen/j.php?ED=129919827&UID=0&ICS=UMI&LD=1&RD=2&ST=1&SHA2=lzo8lpqX5JumqrGOE3yb1VX439sIZFIJ1UUhSgST4DE=&RT=MiM0>  
-----

## 2. AGENDA -----

INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the 2010-09-23 IESG Teleconference

This agenda was generated at 2010-09-16 16:03:34 PDT  
Up-to-date web version of this agenda can be found at:  
<http://datatracker.ietf.org/iesg/agenda/>

### 1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes of Past Telechats
- 1.4 List of Remaining Action Items from Last Telechat

### OUTSTANDING TASKS

Last updated: September 14, 2010

- o Jari Arkko to add guidance on multi-Area work to the wiki.

- o Michelle Cotton to provide draft of -bis document for RFC 4020 Allocation procedures.
- o Ralph Droms will assist IANA with a response to the inquiry about the assignment of an EDNS0 option code point in the dns-parameters registry [IANA #376937].
- o Russ Housley to prepare an IESG Statement on document shepherding.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Items

- o draft-ietf-fecframe-sdp-elements-08  
Session Description Protocol (SDP) Elements for FEC Framework (Proposed Standard)  
Token: David Harrington
- o draft-ietf-ccamp-gmpls-ethernet-pbb-te-05  
Generalized Multiprotocol Label Switching (GMPLS) control of Ethernet PBB-TE (Proposed Standard)  
Note: Deborah Brungard is the document shepherd (db3546@att.com).  
Token: Adrian Farrel
- o draft-ietf-fecframe-framework-10  
Forward Error Correction (FEC) Framework (Proposed Standard)  
Token: David Harrington
- o draft-ietf-roll-rpl-11  
RPL: IPv6 Routing Protocol for Low power and Lossy Networks (Proposed Standard)  
Note: David Culler (culler@eecs.berkeley.edu) is the document shepherd.  
Token: Adrian Farrel
- o draft-ietf-eai-frmrk-4952bis-07  
Overview and Framework for Internationalized Email (Proposed Standard)  
Note: I set the document status to PS, but I and the WG is happy for this to proceed as Informational  
Token: Alexey Melnikov
- o draft-ietf-mext-nemo-pd-06  
DHCPv6 Prefix Delegation for NEMO (Proposed Standard)

Note: Julien Laganier (julienl@qualcomm.com) is the document shepherd.

Token: Jari Arkko

- o draft-ietf-tcpm-urgent-data-06

On the implementation of the TCP urgent mechanism (Proposed Standard)

Note: Wesley Eddy (Wesley.M.Eddy@nasa.gov) is the document shepherd.

Token: Lars Eggert

## 2.1.2 Returning Items

- o draft-ietf-sip-session-policy-framework-07

A Framework for Session Initiation Protocol (SIP) Session Policies (Proposed Standard)

Note: IPR disclosure on this from RIM -

<https://datatracker.ietf.org/ipr/1227/>

Token: Robert Sparks

- o draft-ietf-mip4-generic-notification-message-15

Generic Notification Message for Mobile IPv4 (Proposed Standard)

Note: Pete McCann (pete.mccann@motorola.com) is the document shepherd.

Token: Jari Arkko

## 2.2 Individual Submissions

### 2.2.1 New Items

NONE

### 2.2.2 Returning Items

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Items

- o draft-ietf-netmod-arch-08

An Architecture for Network Management using NETCONF and YANG (Informational)

Note: David Partain (david.partain@ericsson.com) is the document shepherd.

Token: Dan Romascanu

- o draft-ietf-opsec-igp-crypto-requirements-00

## Cryptographic Authentication Algorithm Implementation Best Practices for Routing Protocols (Informational)

Note: Joel Jaeggli (joelja@bogus.com) is the document shepherd.

Token: Ron Bonica

### 3.1.2 Returning Items

NONE

## 3.2 Individual Submissions Via AD

### 3.2.1 New Items

- o draft-mavrogianopoulos-rfc5081bis-08  
Using OpenPGP Keys for Transport Layer Security (TLS) Authentication (Informational)

Note: Nikos Mavrogianopoulos (nmav@gnutls.org) is the document Shepherd.

Token: Sean Turner

- o draft-josefsson-pbkdf2-test-vectors-06  
PKCS #5 Password Based Key Derivation Function 2 (PBKDF2) Test Vectors (Informational)

Note: Simon Josefsson is the Document Shepherd (simon@josefsson.org).

Token: Sean Turner

### 3.2.2 Returning Items

- o draft-cakulev-mikey-ibake-02  
MIKEY-IBAKE: Identity-Based Mode of Key Distribution in Multimedia Internet KEYing (MIKEY) (Informational)

Note: Requested cryptographic review by CFRG - deadline 9/3/2010

Token: Tim Polk

## 3.3 Independent Submissions Via RFC Editor

### 3.3.1 New Items

- o draft-dzis-nwg-nttdm-04  
The Network Trouble Ticket Data Model (Experimental)  
Note: Proposed RFC 5742 response: "This specification documents an XML format that solves a problem similar to those addressed by the INCH and MARF working groups. However, the format serves a somewhat different purpose and thus the IESG has concluded that there is no conflict between this document and IETF work."

Token: Peter Saint-Andre

### 3.3.2 Returning Items

NONE

### 3.3.3 For Action

- o draft-chroboczek-babel-routing-protocol-04  
The Babel Routing Protocol (Experimental)  
Token: Russ Housley
- o draft-livingood-web-notification-09  
Comcast's Web Notification System Design (Informational)  
Token: Russ Housley

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Home Networking (homenet)  
Token: David Harrington
- o Application Bridging for Federated Access Beyond web (abfab)  
Token: Sean Turner
- o Web Security (websec)  
Token: Peter Saint-Andre

#### 4.1.2 Proposed for Approval

- o Energy Management (eman)  
Token: Dan Romascanu

### 4.2 WG Rechartering

#### 4.2.1 Under Evaluation for IETF Review

NONE

#### 4.2.2 Proposed for Approval

- o Hypertext Transfer Protocol Bis (httpbis)  
Token: Alexey Melnikov

## 5. IAB News We Can Use

## 6. Management Issues

6.1 Registration of image/ktx Media Type (Alexey Melnikov)

6.2 Designated Expert for RFC 5970 [IANA #392185] (Michelle Cotton)

6.3 Moving the mailserver URI scheme from Provisional to Historic  
(Alexey  
Melnikov)

7. Working Group News

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### 3. MANAGEMENT ITEM DETAILS

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6.1 Registration of image/ktx Media Type (Alexey Melnikov)

Management item text:

Dear IESG,  
Khronos Group have submitted registration requests for image/ktx Media Type. As per process specified in RFCs 4288 and 4289, registration requests submitted by other SDOs without an internet-draft require IESG approval. I will forward registration templates and my comments (if any) in separate emails.

-----  
Approval announcement:

Media Type Registration Reviews - Standards Tree/No Internet Draft

The IESG has approved a request to register "image/ktx" MIME media types in the standards tree. This media type is a product of the Khronos Group ([www.khronos.org](http://www.khronos.org)). The IESG contact persons are Alexey Melnikov and Peter Saint-Andre. The registration template can be found at this location:

<[http://www.khronos.org/opengles/sdk/tools/KTX/file\\_format\\_spec/  
#mimeregistration](http://www.khronos.org/opengles/sdk/tools/KTX/file_format_spec/#mimeregistration)>

The original registration teplate was submitted as:

<[http://www.alvestrand.no/pipermail/ietf-types/attachments/20100831/  
df8a3724/attachment.txt](http://www.alvestrand.no/pipermail/ietf-types/attachments/20100831/df8a3724/attachment.txt)>

An archive of the discussion can be found here:

<<http://www.alvestrand.no/pipermail/ietf-types/2010-August/002385.html>>

## 6.2 Designated Expert for RFC 5970 [IANA #392185] (Michelle Cotton)

This is a request for a management item. A designated expert is needed for

RFC 5970 (DHCPv6 Options for Network Boot)- Processor Architecture Types.

There are no pending requests at this time.

Thank you,

Michelle Cotton  
IANA

## 6.3 Moving the mailserver URI scheme from Provisional to Historic (Alexey Melnikov)

RFC 1738 defines the "mailserver" URI scheme as "Access to data available from mail servers". It doesn't provide any other details. I don't believe this URI scheme was ever deployed. There were an earlier attempt to document this URI scheme, but it failed. Opinion from people who participated in this attempt (Paul Hoffman, Martin Duerst) is that this scheme should be deprecated, partially because nobody can come up with an implementable definition of the scheme and partially because it was obsoleted by other URI schemes (e.g. the latest mailto:).

RFC 4395 (guidelines for registering URI schemes) says:

### 4. Guidelines for Historical URI Scheme Registration

In some circumstances, it is appropriate to note a URI scheme that was once in use or registered but for whatever reason is no longer in common use or the use is not recommended. In this case, it is possible for an individual to request that the URI scheme be registered (newly, or as an update to an existing registration) as 'historical'. Any scheme that is no longer in common use MAY be designated as historical; the registration should contain some indication to where the scheme was previously defined or documented.

### 5.3. Change Control

Provisional registrations may be updated by the original registrant or anyone designated by the original registrant. In addition, the

IESG may reassign responsibility for a provisional registration scheme, or may request specific changes to a scheme registration. This will enable changes to be made to schemes where the original registrant is out of contact, or unwilling or unable to make changes.

Transition from 'provisional' to 'permanent' status may be requested and approved in the same manner as a new 'permanent' registration. Transition from 'permanent' to 'historical' status requires IESG approval. Transition from 'provisional' to 'historical' may be requested by anyone authorized to update the provisional registration.

Based on my reading of RFC 4395, I believe IESG can move this URI scheme registration from "Provisional" to "Historic".

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#### 4. PREVIOUS MINUTES

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DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the September 9, 2010 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

#### ATTENDEES

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Jari Arkko (Ericsson) / Internet Area  
Amanda Baber (ICANN) / IANA liaison  
Ron Bonica (Juniper Networks) / Operations and Management Area  
Stewart Bryant (Cisco) / Routing Area  
Gonzalo Camarillo / Real-time Applications and Infrastructure Area  
Ralph Droms (Cisco) / Internet Area  
Linda Dunbar / Scribe  
Lars Eggert (Nokia) / Transport Area  
Adrian Farrel (Huawei) / Routing Area  
Sandy Ginoza (AMS) / RFC Editor liaison  
Susan Hares / Scribe  
David Harrington (HuaweiSymantec) / Transport Area  
Russ Housley (Vigil Security, LLC) / IETF Chair, General Area  
Glenn Kowack / RFC Series Editor  
John Leslie / Scribe  
Danny McPherson (Arbor Networks, Inc.) / IAB Liaison

Alexey Melnikov (Isode Limited) / Applications Area  
Tim Polk (NIST) / Security Area  
Dan Romascanu (Avaya) / Operations and Management Area  
Peter Saint-Andre (Cisco) / Applications Area  
Robert Sparks (Tekelec) / Real-time Applications and Infrastructure Area  
Sean Turner (IECA, Inc.) / Security Area  
Amy Vezza (AMS) / IETF Secretariat

## REGRETS

-----  
Michelle Cotton (ICANN) / IANA liaison  
Olaf Kolkman (NLnet Labs) / IAB Chair  
Barry Leiba / Scribe  
Cindy Morgan (AMS) / IETF Secretariat  
Ray Pelletier (ISOC) / IAD

## MINUTES

### ----- 1. Administrivia

#### 1.1 Approval of the Minutes

The minutes of the August 26, 2010 Teleconference were approved. The Secretariat will place the minutes in the public archives.

The narrative minutes of the August 26, 2010 Teleconferences were approved.

The Secretariat will place the minutes in the public archives.

#### 1.2 Documents Approved since the August 26, 2010 IESG Teleconference

##### 1.2.1 Protocol Actions

- o draft-ietf-behave-address-format-10.txt (Proposed Standard)
- o draft-ietf-behave-v6v4-xlate-stateful-12.txt (Proposed Standard)
- o draft-ietf-ippm-spatial-composition-16.txt (Proposed Standard)

##### 1.2.2 Document Actions

- o draft-davis-u-langtag-ext-04.txt (Informational)
- o draft-ietf-opsec-routing-protocols-crypto-issues-07.txt (Informational)
- o draft-mattsson-mikey-ticket-05.txt (Informational)

#### 1.3 Review of Action Items

DONE:

NONE

UPDATED:

NONE

IN PROGRESS:

- o Jari Arkko to add guidance on multi-Area work to the wiki.
- o Michelle Cotton to provide draft of -bis document for RFC 4020 Allocation procedures.
- o Ralph Droms will assist IANA with a response to the inquiry about the assignment of an EDNS0 option code point in the dns-parameters registry [IANA #376937].

NEW:

- o Russ Housley to prepare an IESG Statement on document shepherding.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Items

- o draft-ietf-calsify-rfc2447bis-10  
iCalendar Message-Based Interoperability Protocol (iMIP) (Proposed Standard) - 1 of 3  
Token: Peter Saint-Andre

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms and Sean Turner.\*

- o draft-ietf-geopriv-arch-02  
An Architecture for Location and Location Privacy in Internet Applications (BCP) - 2 of 3  
Token: Robert Sparks

The document remains under discussion by the IESG in order to resolve points raised by David Harrington, Robert Sparks, and Sean Turner.\*

- o draft-ietf-avt-forward-shifted-red-06  
Forward-shifted RTP Redundancy Payload Support (Proposed Standard) - 3 of 3

Token: Robert Sparks

The document remains under discussion by the IESG in order to resolve points raised by Adrian Farrel and Alexey Melnikov.\*

#### 2.1.2 Returning Items

##### o draft-ietf-dna-simple-17

Simple procedures for Detecting Network Attachment in IPv6 (Proposed Standard) - 1 of 3

Token: Jari Arkko

The document was approved by the IESG pending an RFC Editor Note to be prepared by Jari Arkko. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

##### o draft-ietf-mext-flow-binding-09

Flow Bindings in Mobile IPv6 and NEMO Basic Support (Proposed Standard)

-

2 of 3

Token: Jari Arkko

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert.\*

##### o draft-ietf-6man-dns-options-bis-08

IPv6 Router Advertisement Options for DNS Configuration (Proposed Standard) - 3 of 3

Token: Jari Arkko

The document was approved before the teleconference, and removed from the agenda.

## 2.2 Individual Submissions

### 2.2.1 New Items

##### o draft-das-mipshop-andsf-dhcp-options-04

Dynamic Host Configuration Protocol (DHCPv4 and DHCPv6) Options for Access

Network Discovery and Selection Function(ANDSF) Discovery (Proposed Standard) - 1 of 2

Token: Jari Arkko

The document remains under discussion by the IESG in order

to resolve points raised by Ralph Droms, Lars Eggert, Tim Polk, and Sean Turner.\*

o draft-daboo-srv-caldav-08

Locating CalDAV and CardDAV services (Proposed Standard) - 2 of 2

Token: Alexey Melnikov

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert.\*

### 2.2.2 Returning Items

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Items

o draft-ietf-nsis-nsip-auth-06

Authorization for NSIS Signaling Layer Protocols (Experimental) - 1 of 1

Token: Lars Eggert

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley, Tim Polk, and Sean Turner.\*

#### 3.1.2 Returning Items

NONE

### 3.2 Individual Submissions Via AD

#### 3.2.1 New Items

NONE

#### 3.2.2 Returning Items

o draft-cakulev-mikey-ibake-02

MIKEY-IBAKE: Identity-Based Mode of Key Distribution in Multimedia Internet KEYing (MIKEY) (Informational) - 1 of 1

Token: Tim Polk

The document was removed from the agenda before the teleconference. It will be discussed at the next IESG teleconference (09/23/2010)

## 3.3 Independent Submissions Via the IRTF

### 3.3.1 New Items

o draft-irtf-iccrwg-welzl-congestion-control-open-research-08  
Open Research Issues in Internet Congestion Control (Informational) - 1  
of  
1  
Token: Lars Eggert

The IESG has no problem with the IRTF publishing this document. The Secretariat will send a standard "no problem" message to the IRSG that includes an RFC Editor Note to be prepared by Lars Eggert.

### 3.3 Independent Submissions Via RFC Editor

#### 3.3.2 Returning Items

NONE

### 3.3 Independent Submissions Via RFC Editor

#### 3.3.3 For Action

o draft-dzis-nwg-nttdm-04  
(The Network Trouble Ticket Data Model) (Experimental) - 1 of 1  
Token: Peter Saint-Andre

The document was assigned to Peter Saint-Andre for RFC 5742 review.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review (1 of 1)

o Energy Management (eman)  
Token: Dan Romascanu

The IESG approved the draft WG charter for IETF review. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (09/23/2010).

#### 4.1.2 Proposed for Approval

NONE

### 4.2 WG Rechartering

#### 4.2.1 Under Evaluation for IETF Review (1 of 1)

o Hypertext Transfer Protocol Bis (httpbis)  
Token: Alexey Melnikov

The IESG decided to proceed with IETF review of the revised charter. The Secretariat will send a WG Review: Recharter announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG teleconference (09/23/2010).

#### 4.2.2 Proposed for Approval

NONE

#### 5. IAB News We Can Use

#### 6. Management Items

6.1 Registration of application/mathml+xml, application/mathml-presentation+xml and application/mathml-content+xml Media Types (Alexey Melnikov)

The management issue was discussed. The IESG approved the registration of these three media types.

6.2 IANA status of the Web Linking registry (draft-nottingham-http-link-header-10.txt) (Alexey Melnikov)

The management issue was discussed.

6.3 Migration of ietf-types@iana.org to ietf.org (Alexey Melnikov)

The management issue was discussed. The IESG has decided to re-host the ietf-types email list at ietf.org.

6.4 Discussion of Document Shepherds (Russ Housley)

The management issue was discussed.

Action item: Russ Housley to prepare an IESG Statement on document shepherding.

#### 7. Working Group News

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\* Please see the ID Tracker (<https://datatracker.ietf.org/doc/>) for details on documents that are under discussion by the IESG.

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Return-Path: <wwwrun@core3.amsl.com>  
X-Original-To: iesg@ietf.org  
Delivered-To: iesg@core3.amsl.com  
Received: by core3.amsl.com (Postfix, from userid 30) id BF3DF3A69D1;  
Mon, 20 Sep 2010 14:51:49 -0700 (PDT)  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: The IESG <iesg@ietf.org>  
Subject: UPDATED Agenda and Package for the September 23, 2010 IESG  
Teleconference  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
Message-Id: <20100920215149.BF3DF3A69D1@core3.amsl.com>  
Date: Mon, 20 Sep 2010 14:51:49 -0700 (PDT)  
Cc: avezza@amsl.com, cmorgan@amsl.com, iesg-scribes@ietf.org,  
glenn@riveronce.com  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Mon, 20 Sep 2010 21:51:50 -0000

## AGENDA PACKAGE FOR 2010-09-23 IESG TELECHAT

### Contents:

1. Roll Call and Dial-In Instructions  
<https://www.ietf.org/iesg/internal/rollcall.txt>
2. Agenda  
<http://datatracker.ietf.org/iesg/agenda/?private>
3. Management Item Details  
[https://datatracker.ietf.org/cgi-bin/display\\_news.cgi?template\\_type=3](https://datatracker.ietf.org/cgi-bin/display_news.cgi?template_type=3)
4. Previous minutes  
<https://www.ietf.org/iesg/internal/minutes.txt>

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## 1. ROLL CALL AND DIAL-IN INSTRUCTIONS

-----  
Dear IESG Members:

The next IESG teleconference will take place on Thursday, September 23, 2010 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, then please reply to this message as follows:

o If you are unable to participate, then please write "Regrets" after your name.

Jari Arkko---Will call in  
Ron Bonica---Will call in  
Stewart Bryant---Will call in  
Gonzalo Camarillo---Will call in  
Michelle Cotton---Will call in  
Ralph Droms---Will call in  
Linda Dunbar---Regrets  
Lars Eggert---Will call in  
Adrian Farrel---Will call in  
Sandy Ginoza---Will call in  
Susan Hares---Will call in  
David Harrington---Will call in  
Russ Housley---Will call in  
Olaf Kolkman---Regrets  
Glenn Kowak---Will call in  
Barry Leiba---Regrets  
John Leslie---Will call in  
Danny McPherson---Will call in  
Alexey Melnikov---Will call in  
Cindy Morgan---Will call in  
Ray Pelletier---Regrets  
Tim Polk---Will call in  
Dan Romascanu---Will call in  
Peter Saint-Andre---Will call in  
Robert Sparks---Will call in  
Sean Turner---Will call in  
Amy Vezza---Will call in

-----  
Topic: IESG Teleconference Webex  
Date: Thursday, September 23, 2010  
Time: 8:30 am, Pacific Daylight Time (San Francisco, GMT-07:00)  
Meeting Number: 969 759 024  
Meeting Password: (This meeting does not require a password.)

\*\*\*Participants outside the U.S./Canada should use either one of the global toll numbers listed below, or use Skype to connect to the U.S. toll-free number. Participants using the global toll numbers will pay their own long distance charges through their own carriers.

\*\*\*Please DO NOT have WebEx connect you to the audio using your computer, or have WebEx call you back directly. For best audio quality, please connect using one of the numbers listed below, or by using Skype.

-----  
To join the online meeting (Now from iPhones too!)  
-----

1. Go to  
<https://workgreen.webex.com/workgreen/j.php?ED=129919827&UID=0&RT=MiM0>
2. Enter your name and email address.
3. Enter the meeting password: (This meeting does not require a password.)
4. Click "Join Now".
5. Follow the instructions that appear on your screen.

To view in other time zones or languages, please click the link:  
<https://workgreen.webex.com/workgreen/j.php?ED=129919827&UID=0&ORT=MiM0>

-----  
To join the audio conference only  
-----

To join the audio conference, call the number below and enter the access code.

Call-in toll-free number (US/Canada): 866-699-3239

Call-in toll number (US/Canada): 1-408-792-6300

Global call-in numbers:

Australia Toll	+61 (0)2 82239752
Austria Toll	+43 (0)1 79576257
Belgium Toll	+32 (0)22006259
Denmark Toll	+45 38323066
Finland Toll	+358 (0)9 72519058
France Toll	+33 (0)157323123
Germany Toll	+49 (0)69 51709070
Hong Kong Toll	+852 30114556
Ireland Toll	+353 (0)1 6569197
Israel	1-80-9214668
Italy Toll	+39 02 69430409
Japan Toll	+81 (0)3 57675022
Luxembourg Toll	+352 3420808633
Netherlands Toll	+31 (0)20 2008070

New Zealand Toll	+64 (0)9 9200065
Norway Toll	+47 24159525
Singapore Toll	+65 66221061
South Korea Toll	+82 (0)234831042
Spain Toll	+34 912754164
Sweden Toll	+46 (0)8 50163255
Switzerland Toll	+41 (0)44 6545616
Taiwan Toll	+886 (0)2 21920244
UK Toll	+44 (0)20 70267693

Toll-free dialing restrictions:

[http://www.webex.com/pdf/tollfree\\_restrictions.pdf](http://www.webex.com/pdf/tollfree_restrictions.pdf)

Access code: 969 759 024

-----  
To join the audio conference using Skype  
-----

1. Bring up your Skype application.
2. Bring up your browser, and go to the WebEx URL.
3. Enter your name and email address.
4. Close the WebEx window prompting for a phone number.
5. Select the "info" tab at the top of the WebEx browser page.
6. Go to Skype, and dial the U.S. Toll-Free number from the meeting announcement.
7. Click on the DialPad tab on the Skype window.
8. Use the virtual keypad to enter the meeting number followed by #.
9. Use the virtual keypad to enter your attendee ID followed by #.

-----  
For assistance  
-----

1. Go to <https://workgreen.webex.com/workgreen/mc>
2. On the left navigation bar, click "Support".

You can contact me at:

[cmorgan@amsl.com](mailto:cmorgan@amsl.com)

1-510-492-4085

To update this meeting to your calendar program (for example Microsoft Outlook), click this link:

<https://workgreen.webex.com/workgreen/j.php?>

ED=129919827&UID=0&ICS=UMI&LD=1&RD=2&ST=1&SHA2=lzo8lpgX5JumqrGOE3yb1VX43  
9sIZFIJ1UUhSgST4DE=&RT=MIM0

-----  
2. AGENDA  
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INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the 2010-09-23 IESG Teleconference

This agenda was generated at 2010-09-20 14:37:43 PDT  
Up-to-date web version of this agenda can be found at:  
<http://datatracker.ietf.org/iesg/agenda/>

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes of Past Telechats
- 1.4 List of Remaining Action Items from Last Telechat

OUTSTANDING TASKS

Last updated: September 14, 2010

- o Jari Arkko to add guidance on multi-Area work to the wiki.
- o Michelle Cotton to provide draft of -bis document for RFC 4020 Allocation procedures.
- o Ralph Droms will assist IANA with a response to the inquiry about the assignment of an EDNS0 option code point in the dns-parameters registry [IANA #376937].
- o Russ Housley to prepare an IESG Statement on document shepherding.

2. Protocol Actions

2.1 WG Submissions

2.1.1 New Items

- o draft-ietf-fecframe-sdp-elements-08  
Session Description Protocol (SDP) Elements for FEC Framework  
(Proposed Standard)  
Token: David Harrington
- o draft-ietf-fecframe-framework-10  
Forward Error Correction (FEC) Framework (Proposed Standard)  
Token: David Harrington

- o draft-ietf-eai-frmwrk-4952bis-08  
Overview and Framework for Internationalized Email (Proposed Standard)  
Note: I set the document status to PS, but I and the WG is happy for this to proceed as Informational  
Token: Alexey Melnikov
- o draft-ietf-mext-nemo-pd-06  
DHCPv6 Prefix Delegation for NEMO (Proposed Standard)  
Note: Julien Laganier (julienl@qualcomm.com) is the document shepherd.  
Token: Jari Arkko
- o draft-ietf-tcpm-urgent-data-06  
On the implementation of the TCP urgent mechanism (Proposed Standard)  
Note: Wesley Eddy (Wesley.M.Eddy@nasa.gov) is the document shepherd.  
Token: Lars Eggert

#### 2.1.2 Returning Items

- o draft-ietf-sip-session-policy-framework-07  
A Framework for Session Initiation Protocol (SIP) Session Policies (Proposed Standard)  
Note: IPR disclosure on this from RIM - <https://datatracker.ietf.org/ipr/1227/>  
Token: Robert Sparks
- o draft-ietf-mip4-generic-notification-message-15  
Generic Notification Message for Mobile IPv4 (Proposed Standard)  
Note: Pete McCann (pete.mccann@motorola.com) is the document shepherd.  
Token: Jari Arkko

### 2.2 Individual Submissions

#### 2.2.1 New Items

NONE

#### 2.2.2 Returning Items

- o draft-thaler-v6ops-teredo-extensions-08  
Teredo Extensions (Proposed Standard)  
Note: On the agenda to get more votes!!! Fred Baker (fred@cisco.com) is the document shepherd.  
Token: Jari Arkko

### 3. Document Actions

#### 3.1 WG Submissions

##### 3.1.1 New Items

- o draft-ietf-netmod-arch-08  
An Architecture for Network Management using NETCONF and YANG (Informational)  
Note: David Partain (david.partain@ericsson.com) is the document shepherd.  
Token: Dan Romascanu
- o draft-ietf-opsec-igp-crypto-requirements-00  
Cryptographic Authentication Algorithm Implementation Best Practices for Routing Protocols (Informational)  
Note: Joel Jaeggli (joelja@bogus.com) is the document shepherd.  
Token: Ron Bonica

##### 3.1.2 Returning Items

NONE

#### 3.2 Individual Submissions Via AD

##### 3.2.1 New Items

- o draft-mavrogiannopoulos-rfc5081bis-08  
Using OpenPGP Keys for Transport Layer Security (TLS) Authentication (Informational)  
Note: Nikos Mavrogiannopoulos (nmav@gnutls.org) is the document Shepherd.  
Token: Sean Turner
- o draft-rosen-urn-nena-02  
Universal Resource Name (URN) Namespace for National Emergency Number Association (NENA) (Informational)  
Token: Peter Saint-Andre
- o draft-josefsson-pbkdf2-test-vectors-06  
PKCS #5 Password Based Key Derivation Function 2 (PBKDF2) Test Vectors (Informational)  
Note: Simon Josefsson is the Document Shepherd (simon@josefsson.org).  
Token: Sean Turner

##### 3.2.2 Returning Items

- o draft-cakulev-mikey-ibake-02  
 MIKEY-IBAKE: Identity-Based Mode of Key Distribution in Multimedia Internet KEYing (MIKEY) (Informational)  
 Note: Requested cryptographic review by CFRG - deadline 9/3/2010  
 Token: Tim Polk

### 3.3 Independent Submissions Via RFC Editor

#### 3.3.1 New Items

- o draft-dzis-nwg-nttdm-04  
 The Network Trouble Ticket Data Model (Experimental)  
 Note: Proposed RFC 5742 response: "This specification documents an XML format that solves a problem similar to those addressed by the INCH and MARF working groups. However, the format serves a somewhat different purpose and thus the IESG has concluded that there is no conflict between this document and IETF work."  
 Token: Peter Saint-Andre

#### 3.3.2 Returning Items

NONE

#### 3.3.3 For Action

- o draft-chroboczek-babel-routing-protocol-04  
 The Babel Routing Protocol (Experimental)  
 Token: Russ Housley
- o draft-livingood-web-notification-09  
 Comcast's Web Notification System Design (Informational)  
 Token: Peter Saint-Andre

### 4. Working Group Actions

#### 4.1 WG Creation

##### 4.1.1 Proposed for IETF Review

- o Applications Area Working Group (appsawg)  
 Token: Alexey Melnikov
- o Application Bridging for Federated Access Beyond web (abfab)  
 Token: Sean Turner
- o Web Security (websec)  
 Token: Peter Saint-Andre

##### 4.1.2 Proposed for Approval

- o Energy Management (eman)  
Token: Dan Romascanu

## 4.2 WG Rechartering

### 4.2.1 Under Evaluation for IETF Review

NONE

### 4.2.2 Proposed for Approval

- o Hypertext Transfer Protocol Bis (httpbis)  
Token: Alexey Melnikov

## 5. IAB News We Can Use

## 6. Management Issues

### 6.1 Registration of image/ktx Media Type (Alexey Melnikov)

### 6.2 Designated Expert for RFC 5970 [IANA #392185] (Michelle Cotton)

### 6.3 Moving the mailserver URI scheme from Provisional to Historic (Alexey Melnikov)

## 7. Working Group News

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## 3. MANAGEMENT ITEM DETAILS

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### 6.1 Registration of image/ktx Media Type (Alexey Melnikov)

Management item text:

Dear IESG,  
Khronos Group have submitted registration requests for image/ktx Media Type. As per process specified in RFCs 4288 and 4289, registration requests submitted by other SDOs without an internet-draft require IESG approval. I will forward registration templates and my comments (if any) in separate emails.

-----  
Approval announcement:

## Media Type Registration Reviews - Standards Tree/No Internet Draft

The IESG has approved a request to register "image/ktx" MIME media types in the standards tree. This media type is a product of the Khronos Group ([www.khronos.org](http://www.khronos.org)). The IESG contact persons are Alexey Melnikov and Peter Saint-Andre. The registration template can be found at this location:

<[http://www.khronos.org/opengles/sdk/tools/KTX/file\\_format\\_spec/#mimeregistration](http://www.khronos.org/opengles/sdk/tools/KTX/file_format_spec/#mimeregistration)>

The original registration template was submitted as:

<<http://www.alvestrand.no/pipermail/ietf-types/attachments/20100831/df8a3724/attachment.txt>>

An archive of the discussion can be found here:

<<http://www.alvestrand.no/pipermail/ietf-types/2010-August/002385.html>>

### 6.2 Designated Expert for RFC 5970 [IANA #392185] (Michelle Cotton)

This is a request for a management item. A designated expert is needed for RFC 5970 (DHCPv6 Options for Network Boot)- Processor Architecture Types.

There are no pending requests at this time.

Thank you,

Michelle Cotton  
IANA

### 6.3 Moving the mailserver URI scheme from Provisional to Historic (Alexey Melnikov)

RFC 1738 defines the "mailserver" URI scheme as "Access to data available from mail servers". It doesn't provide any other details. I don't believe this URI scheme was ever deployed. There were an earlier attempt to document this URI scheme, but it failed. Opinion from people who participated in this attempt (Paul Hoffman, Martin Duerst) is that this scheme should be deprecated, partially because nobody can come up with an implementable definition of the scheme and partially because it was obsoleted by other URI schemes (e.g. the latest mailto:).

RFC 4395 (guidelines for registering URI schemes) says:

#### 4. Guidelines for Historical URI Scheme Registration

In some circumstances, it is appropriate to note a URI scheme that was once in use or registered but for whatever reason is no longer in common use or the use is not recommended. In this case, it is possible for an individual to request that the URI scheme be registered (newly, or as an update to an existing registration) as 'historical'. Any scheme that is no longer in common use MAY be designated as historical; the registration should contain some indication to where the scheme was previously defined or documented.

#### 5.3. Change Control

Provisional registrations may be updated by the original registrant or anyone designated by the original registrant. In addition, the IESG may reassign responsibility for a provisional registration scheme, or may request specific changes to a scheme registration. This will enable changes to be made to schemes where the original registrant is out of contact, or unwilling or unable to make changes.

Transition from 'provisional' to 'permanent' status may be requested and approved in the same manner as a new 'permanent' registration. Transition from 'permanent' to 'historical' status requires IESG approval. Transition from 'provisional' to 'historical' may be requested by anyone authorized to update the provisional registration.

Based on my reading of RFC 4395, I believe IESG can move this URI scheme registration from "Provisional" to "Historic".

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#### 4. PREVIOUS MINUTES

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DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the September 9, 2010 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

ATTENDEES

-----  
Jari Arkko (Ericsson) / Internet Area  
Amanda Baber (ICANN) / IANA liaison  
Ron Bonica (Juniper Networks) / Operations and Management Area  
Stewart Bryant (Cisco) / Routing Area  
Gonzalo Camarillo / Real-time Applications and Infrastructure Area  
Ralph Droms (Cisco) / Internet Area  
Linda Dunbar / Scribe  
Lars Eggert (Nokia) / Transport Area  
Adrian Farrel (Huawei) / Routing Area  
Sandy Ginoza (AMS) / RFC Editor liaison  
Susan Hares / Scribe  
David Harrington (HuaweiSymantec) / Transport Area  
Russ Housley (Vigil Security, LLC) / IETF Chair, General Area  
Glenn Kowack / RFC Series Editor  
John Leslie / Scribe  
Danny McPherson (Arbor Networks, Inc.) / IAB Liaison  
Alexey Melnikov (Isode Limited) / Applications Area  
Tim Polk (NIST) / Security Area  
Dan Romascanu (Avaya) / Operations and Management Area  
Peter Saint-Andre (Cisco) / Applications Area  
Robert Sparks (Tekelec) / Real-time Applications and Infrastructure Area  
Sean Turner (IECA, Inc.) / Security Area  
Amy Vezza (AMS) / IETF Secretariat

#### REGRETS

-----  
Michelle Cotton (ICANN) / IANA liaison  
Olaf Kolkman (NLnet Labs) / IAB Chair  
Barry Leiba / Scribe  
Cindy Morgan (AMS) / IETF Secretariat  
Ray Pelletier (ISOC) / IAD

#### MINUTES

-----  
1. Administrivia  
1.1 Approval of the Minutes

The minutes of the August 26, 2010 Teleconference were approved. The Secretariat will place the minutes in the public archives.

The narrative minutes of the August 26, 2010 Teleconferences were approved.

The Secretariat will place the minutes in the public archives.

## 1.2 Documents Approved since the August 26, 2010 IESG Teleconference

### 1.2.1 Protocol Actions

- o draft-ietf-behave-address-format-10.txt (Proposed Standard)
- o draft-ietf-behave-v6v4-xlate-stateful-12.txt (Proposed Standard)
- o draft-ietf-ippm-spatial-composition-16.txt (Proposed Standard)

### 1.2.2 Document Actions

- o draft-davis-u-langtag-ext-04.txt (Informational)
- o draft-ietf-opsec-routing-protocols-crypto-issues-07.txt (Informational)
- o draft-mattsson-mikey-ticket-05.txt (Informational)

## 1.3 Review of Action Items

DONE:

NONE

UPDATED:

NONE

IN PROGRESS:

- o Jari Arkko to add guidance on multi-Area work to the wiki.
- o Michelle Cotton to provide draft of -bis document for RFC 4020 Allocation procedures.
- o Ralph Droms will assist IANA with a response to the inquiry about the assignment of an EDNS0 option code point in the dns-parameters registry [IANA #376937].

NEW:

- o Russ Housley to prepare an IESG Statement on document shepherding.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Items

- o draft-ietf-calsify-rfc2447bis-10  
iCalendar Message-Based Interoperability Protocol (iMIP) (Proposed Standard) - 1 of 3  
Token: Peter Saint-Andre

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms and Sean Turner.\*

o draft-ietf-geopriv-arch-02

An Architecture for Location and Location Privacy in Internet Applications

(BCP) - 2 of 3

Token: Robert Sparks

The document remains under discussion by the IESG in order to resolve points raised by David Harrington, Robert Sparks, and Sean Turner.\*

o draft-ietf-avt-forward-shifted-red-06

Forward-shifted RTP Redundancy Payload Support (Proposed Standard) - 3 of

3

Token: Robert Sparks

The document remains under discussion by the IESG in order to resolve points raised by Adrian Farrel and Alexey Melnikov.\*

#### 2.1.2 Returning Items

o draft-ietf-dna-simple-17

Simple procedures for Detecting Network Attachment in IPv6 (Proposed Standard) - 1 of 3

Token: Jari Arkko

The document was approved by the IESG pending an RFC Editor Note to be prepared by Jari Arkko. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-mext-flow-binding-09

Flow Bindings in Mobile IPv6 and NEMO Basic Support (Proposed Standard)

-

2 of 3

Token: Jari Arkko

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert.\*

o draft-ietf-6man-dns-options-bis-08

IPv6 Router Advertisement Options for DNS Configuration (Proposed Standard) - 3 of 3

Token: Jari Arkko

The document was approved before the teleconference, and removed from the agenda.

## 2.2 Individual Submissions

### 2.2.1 New Items

- o draft-das-mipshop-andsf-dhcp-options-04

Dynamic Host Configuration Protocol (DHCPv4 and DHCPv6) Options for Access

Network Discovery and Selection Function(ANDSF) Discovery (Proposed Standard) - 1 of 2

Token: Jari Arkko

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms, Lars Eggert, Tim Polk, and Sean Turner.\*

- o draft-daboo-srv-caldav-08

Locating CalDAV and CardDAV services (Proposed Standard) - 2 of 2

Token: Alexey Melnikov

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert.\*

### 2.2.2 Returning Items

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Items

- o draft-ietf-nsis-nsip-auth-06

Authorization for NSIS Signaling Layer Protocols (Experimental) - 1 of 1

Token: Lars Eggert

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley, Tim Polk, and Sean Turner.\*

#### 3.1.2 Returning Items

NONE

### 3.2 Individual Submissions Via AD

#### 3.2.1 New Items

NONE

#### 3.2.2 Returning Items

o draft-cakulev-mikey-ibake-02

MIKEY-IBAKE: Identity-Based Mode of Key Distribution in Multimedia Internet KEYing (MIKEY) (Informational) - 1 of 1

Token: Tim Polk

The document was removed from the agenda before the teleconference. It will be discussed at the next IESG teleconference (09/23/2010)

### 3.3 Independent Submissions Via the IRTF

#### 3.3.1 New Items

o draft-irtf-iccrwg-welzl-congestion-control-open-research-08

Open Research Issues in Internet Congestion Control (Informational) - 1 of 1

1

Token: Lars Eggert

The IESG has no problem with the IRTF publishing this document. The Secretariat will send a standard "no problem" message to the IRSG that includes an RFC Editor Note to be prepared by Lars Eggert.

### 3.3 Independent Submissions Via RFC Editor

#### 3.3.2 Returning Items

NONE

### 3.3 Independent Submissions Via RFC Editor

#### 3.3.3 For Action

o draft-dzis-nwg-nttdm-04

(The Network Trouble Ticket Data Model) (Experimental) - 1 of 1

Token: Peter Saint-Andre

The document was assigned to Peter Saint-Andre for RFC 5742 review.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review (1 of 1)

o Energy Management (eman)  
Token: Dan Romascanu

The IESG approved the draft WG charter for IETF review. The Secretariat will send a WG Review announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (09/23/2010).

#### 4.1.2 Proposed for Approval

NONE

#### 4.2 WG Rechartering

##### 4.2.1 Under Evaluation for IETF Review (1 of 1)

o Hypertext Transfer Protocol Bis (httpbis)  
Token: Alexey Melnikov

The IESG decided to proceed with IETF review of the revised charter. The Secretariat will send a WG Review: Recharter announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG teleconference (09/23/2010).

#### 4.2.2 Proposed for Approval

NONE

### 5. IAB News We Can Use

#### 6. Management Items

6.1 Registration of application/mathml+xml,  
application/mathml-presentation+xml and application/mathml-content+xml  
Media Types (Alexey Melnikov)

The management issue was discussed. The IESG approved the registration of these three media types.

6.2 IANA status of the Web Linking registry  
(draft-nottingham-http-link-header-10.txt) (Alexey Melnikov)

The management issue was discussed.

6.3 Migration of ietf-types@iana.org to ietf.org (Alexey Melnikov)

The management issue was discussed. The IESG has decided to re-host the ietf-types email list at ietf.org.

#### 6.4 Discussion of Document Shepherds (Russ Housley)

The management issue was discussed.

Action item: Russ Housley to prepare an IESG Statement on document shepherding.

#### 7. Working Group News

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\* Please see the ID Tracker (<https://datatracker.ietf.org/doc/>) for details on documents that are under discussion by the IESG.

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Return-Path: <wwwrun@core3.amsl.com>  
X-Original-To: iesg@ietf.org  
Delivered-To: iesg@core3.amsl.com  
Received: by core3.amsl.com (Postfix, from userid 30) id 4299928C114;  
Wed, 22 Sep 2010 14:52:29 -0700 (PDT)  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: The IESG <iesg@ietf.org>  
Subject: FINAL Agenda and Package for the September 23, 2010 IESG  
Teleconference  
Content-Type: text/plain; charset="utf-8"  
Mime-Version: 1.0  
Message-Id: <20100922215229.4299928C114@core3.amsl.com>  
Date: Wed, 22 Sep 2010 14:52:29 -0700 (PDT)  
Cc: avezza@amsl.com, Hannes.Tschofenig@nsn.com, cmorgan@amsl.com, iesg-  
scribes@ietf.org, glenn@riveronce.com  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>

List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>,  
<<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Wed, 22 Sep 2010 21:52:29 -0000

## AGENDA PACKAGE FOR 2010-09-23 IESG TELECHAT

### Contents:

1. Roll Call and Dial-In Instructions  
<https://www.ietf.org/iesg/internal/rollcall.txt>
2. Agenda  
<http://datatracker.ietf.org/iesg/agenda/?private>
3. Management Item Details  
[https://datatracker.ietf.org/cgi-bin/display\\_news.cgi?template\\_type=3](https://datatracker.ietf.org/cgi-bin/display_news.cgi?template_type=3)
4. Previous minutes  
<https://www.ietf.org/iesg/internal/minutes.txt>

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## 1. ROLL CALL AND DIAL-IN INSTRUCTIONS

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Dear IESG Members:

The next IESG teleconference will take place on Thursday, September 23, 2010 from 11:30-14:00 US-ET. If you are \*unable\* to participate in the teleconference, then please reply to this message as follows:

o If you are unable to participate, then please write "Regrets" after your name.

Jari Arkko---Will call in  
Ron Bonica---Will call in  
Stewart Bryant---Regrets  
Gonzalo Camarillo---Will call in  
Michelle Cotton---Will call in  
Ralph Droms---Will call in  
Linda Dunbar---Regrets  
Lars Eggert---Will call in  
Adrian Farrel---Regrets  
Sandy Ginoza---Will call in  
Susan Hares---Will call in  
David Harrington---Will call in  
Russ Housley---Will call in  
Olaf Kolkman---Regrets  
Glenn Kowak---Will call in

Barry Leiba---Regrets  
John Leslie---Will call in  
Alexey Melnikov---Will call in  
Cindy Morgan---Will call in  
Ray Pelletier---Regrets  
Tim Polk---Will call in  
Dan Romascanu---Will call in  
Peter Saint-Andre---Will call in  
Robert Sparks---Will call in  
Hannes Tschofenig---Will call in  
Sean Turner---Will call in  
Amy Vezza---Will call in

-----  
Topic: IESG Teleconference Webex  
Date: Thursday, September 23, 2010  
Time: 8:30 am, Pacific Daylight Time (San Francisco, GMT-07:00)  
Meeting Number: 969 759 024  
Meeting Password: (This meeting does not require a password.)

\*\*\*Participants outside the U.S./Canada should use either one of the global toll numbers listed below, or use Skype to connect to the U.S. toll-free number. Participants using the global toll numbers will pay their own long distance charges through their own carriers.

\*\*\*Please DO NOT have WebEx connect you to the audio using your computer, or have WebEx call you back directly. For best audio quality, please connect using one of the numbers listed below, or by using Skype.

-----  
To join the online meeting (Now from iPhones too!)  
-----

1. Go to  
<https://workgreen.webex.com/workgreen/j.php?ED=129919827&UID=0&RT=MiM0>
2. Enter your name and email address.
3. Enter the meeting password: (This meeting does not require a password.)
4. Click "Join Now".
5. Follow the instructions that appear on your screen.

To view in other time zones or languages, please click the link:  
<https://workgreen.webex.com/workgreen/j.php?ED=129919827&UID=0&ORT=MiM0>

-----  
To join the audio conference only

-----  
To join the audio conference, call the number below and enter the access code.

Call-in toll-free number (US/Canada): 866-699-3239

Call-in toll number (US/Canada): 1-408-792-6300

Global call-in numbers:

Australia Toll	+61 (0)2 82239752
Austria Toll	+43 (0)1 79576257
Belgium Toll	+32 (0)22006259
Denmark Toll	+45 38323066
Finland Toll	+358 (0)9 72519058
France Toll	+33 (0)157323123
Germany Toll	+49 (0)69 51709070
Hong Kong Toll	+852 30114556
Ireland Toll	+353 (0)1 6569197
Israel	1-80-9214668
Italy Toll	+39 02 69430409
Japan Toll	+81 (0)3 57675022
Luxembourg Toll	+352 3420808633
Netherlands Toll	+31 (0)20 2008070
New Zealand Toll	+64 (0)9 9200065
Norway Toll	+47 24159525
Singapore Toll	+65 66221061
South Korea Toll	+82 (0)234831042
Spain Toll	+34 912754164
Sweden Toll	+46 (0)8 50163255
Switzerland Toll	+41 (0)44 6545616
Taiwan Toll	+886 (0)2 21920244
UK Toll	+44 (0)20 70267693

Toll-free dialing restrictions:

[http://www.webex.com/pdf/tollfree\\_restrictions.pdf](http://www.webex.com/pdf/tollfree_restrictions.pdf)

Access code: 969 759 024  
-----

To join the audio conference using Skype  
-----

1. Bring up your Skype application.
2. Bring up your browser, and go to the WebEx URL.
3. Enter your name and email address.
4. Close the WebEx window prompting for a phone number.
5. Select the "info" tab at the top of the WebEx browser page.
6. Go to Skype, and dial the U.S. Toll-Free number from the meeting announcement.
7. Click on the DialPad tab on the Skype window.
8. Use the virtual keypad to enter the meeting number followed by #.

9. Use the virtual keypad to enter your attendee ID followed by #.

-----  
For assistance  
-----

1. Go to <https://workgreen.webex.com/workgreen/mc>
2. On the left navigation bar, click "Support".

You can contact me at:  
[cmorgan@amsl.com](mailto:cmorgan@amsl.com)  
1-510-492-4085

To update this meeting to your calendar program (for example Microsoft Outlook), click this link:  
<https://workgreen.webex.com/workgreen/j.php?ED=129919827&UID=0&ICS=UMI&LD=1&RD=2&ST=1&SHA2=lzo8lpqX5JumqrGOE3yb1VX439sIZFIJ1UUhSgST4DE=&RT=MiM0>

-----  
2. AGENDA  
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INTERNET ENGINEERING STEERING GROUP (IESG)  
Summarized Agenda for the 2010-09-23 IESG Teleconference

This agenda was generated at 2010-09-22 14:49:05 PDT  
Up-to-date web version of this agenda can be found at:  
<http://datatracker.ietf.org/iesg/agenda/>

1. Administrivia

- 1.1 Roll Call
- 1.2 Bash the Agenda
- 1.3 Approval of the Minutes of Past Telechats
- 1.4 List of Remaining Action Items from Last Telechat

OUTSTANDING TASKS

Last updated: September 14, 2010

- o Jari Arkko to add guidance on multi-Area work to the wiki.
- o Michelle Cotton to provide draft of -bis document for RFC 4020 Allocation procedures.

- o Ralph Droms will assist IANA with a response to the inquiry about the assignment of an EDNS0 option code point in the dns-parameters registry [IANA #376937].

- o Russ Housley to prepare an IESG Statement on document shepherding.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Items

- o draft-ietf-fecframe-sdp-elements-08  
Session Description Protocol (SDP) Elements for FEC Framework (Proposed Standard)  
Token: David Harrington
- o draft-ietf-fecframe-framework-10  
Forward Error Correction (FEC) Framework (Proposed Standard)  
Token: David Harrington
- o draft-ietf-eai-frmwk-4952bis-08  
Overview and Framework for Internationalized Email (Proposed Standard)  
Note: I set the document status to PS, but I and the WG is happy for this to proceed as Informational  
Token: Alexey Melnikov
- o draft-ietf-mext-nemo-pd-06  
DHCPv6 Prefix Delegation for NEMO (Proposed Standard)  
Note: Julien Laganier (julienl@qualcomm.com) is the document shepherd.  
Token: Jari Arkko
- o draft-ietf-tcpm-urgent-data-06  
On the implementation of the TCP urgent mechanism (Proposed Standard)  
Note: Wesley Eddy (Wesley.M.Eddy@nasa.gov) is the document shepherd.  
Token: Lars Eggert

#### 2.1.2 Returning Items

- o draft-ietf-sip-session-policy-framework-07  
A Framework for Session Initiation Protocol (SIP) Session Policies (Proposed Standard)  
Note: IPR disclosure on this from RIM - <https://datatracker.ietf.org/ipr/1227/>

Token: Robert Sparks

- o draft-ietf-mip4-generic-notification-message-15  
Generic Notification Message for Mobile IPv4 (Proposed Standard)  
Note: Pete McCann (pete.mccann@motorola.com) is the document shepherd.  
Token: Jari Arkko

## 2.2 Individual Submissions

### 2.2.1 New Items

NONE

### 2.2.2 Returning Items

- o draft-thaler-v6ops-teredo-extensions-08  
Teredo Extensions (Proposed Standard)  
Note: On the agenda to get more votes!!! Fred Baker (fred@cisco.com) is the document shepherd.  
Token: Jari Arkko

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Items

- o draft-ietf-netmod-arch-09  
An Architecture for Network Management using NETCONF and YANG (Informational)  
Note: David Partain (david.partain@ericsson.com) is the document shepherd.  
Token: Dan Romascanu
- o draft-ietf-opsec-igp-crypto-requirements-00  
Cryptographic Authentication Algorithm Implementation Best Practices for Routing Protocols (Informational)  
Note: Joel Jaeggli (joelja@bogus.com) is the document shepherd.  
Token: Ron Bonica

#### 3.1.2 Returning Items

NONE

### 3.2 Individual Submissions Via AD

#### 3.2.1 New Items

- o draft-mavrogiannopoulos-rfc5081bis-08

Using OpenPGP Keys for Transport Layer Security (TLS) Authentication (Informational)

Note: Nikos Mavrogiannopoulos (nmav@gnutls.org) is the document Shepherd.

Token: Sean Turner

- o draft-josefsson-pbkdf2-test-vectors-06

PKCS #5 Password Based Key Derivation Function 2 (PBKDF2) Test Vectors (Informational)

Note: Simon Josefsson is the Document Shepherd (simon@josefsson.org).

Token: Sean Turner

### 3.2.2 Returning Items

- o draft-cakulev-mikey-ibake-02

MIKEY-IBAKE: Identity-Based Mode of Key Distribution in Multimedia Internet KEYing (MIKEY) (Informational)

Note: Requested cryptographic review by CFRG - deadline 9/3/2010

Token: Tim Polk

## 3.3 Independent Submissions Via RFC Editor

### 3.3.1 New Items

- o draft-dzis-nwg-nttdm-04

The Network Trouble Ticket Data Model (Experimental)

Note: Proposed RFC 5742 response: "This specification documents an XML format that solves a problem similar to those addressed by the INCH and MARF working groups. However, the format serves a somewhat different purpose and thus the IESG has concluded that there is no conflict between this document and IETF work."

Token: Peter Saint-Andre

### 3.3.2 Returning Items

NONE

### 3.3.3 For Action

- o draft-livingood-web-notification-09

Comcast's Web Notification System Design (Informational)

Token: Peter Saint-Andre

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review

- o Applications Area Working Group (appsawg)  
Token: Alexey
- o Application Bridging for Federated Access Beyond web (abfab)  
Token: Sean
- o Web Security (websec)  
Token: Peter

#### 4.1.2 Proposed for Approval

- o Energy Management (eman)  
Token: Dan

#### 4.2 WG Rechartering

##### 4.2.1 Under Evaluation for IETF Review

NONE

##### 4.2.2 Proposed for Approval

- o Transparent Interconnection of Lots of Links (trill)  
Token: Ralph
- o Hypertext Transfer Protocol Bis (httpbis)  
Token: Alexey

#### 5. IAB News We Can Use

#### 6. Management Issues

##### 6.1 Registration of image/ktx Media Type (Alexey Melnikov)

##### 6.2 Designated Expert for RFC 5970 [IANA #392185] (Michelle Cotton)

##### 6.3 Moving the mailserver URI scheme from Provisional to Historic (Alexey Melnikov)

##### 6.4 IANA registry licensing (Alexey Melnikov)

##### 6.5 Web Linking draft (draft-nottingham-http-link-header-10.txt) in AUTH48 - IANA changes (Alexey Melnikov)

#### 7. Working Group News

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### 3. MANAGEMENT ITEM DETAILS

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#### 6.1 Registration of image/ktx Media Type (Alexey Melnikov)

Management item text:

Dear IESG,  
Khronos Group have submitted registration requests for image/ktx Media Type. As per process specified in RFCs 4288 and 4289, registration requests submitted by other SDOs without an internet-draft require IESG approval. I will forward registration templates and my comments (if any) in separate emails.

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Approval announcement:

Media Type Registration Reviews - Standards Tree/No Internet Draft

The IESG has approved a request to register "image/ktx" MIME media types in the standards tree. This media type is a product of the Khronos Group ([www.khronos.org](http://www.khronos.org)). The IESG contact persons are Alexey Melnikov and Peter Saint-Andre. The registration template can be found at this location:

<[http://www.khronos.org/opengles/sdk/tools/KTX/file\\_format\\_spec/#mimeregistration](http://www.khronos.org/opengles/sdk/tools/KTX/file_format_spec/#mimeregistration)>

The original registration template was submitted as:

<<http://www.alvestrand.no/pipermail/ietf-types/attachments/20100831/df8a3724/attachment.txt>>

An archive of the discussion can be found here:

<<http://www.alvestrand.no/pipermail/ietf-types/2010-August/002385.html>>

#### 6.2 Designated Expert for RFC 5970 [IANA #392185] (Michelle Cotton)

This is a request for a management item. A designated expert is needed for  
RFC 5970 (DHCPv6 Options for Network Boot)- Processor Architecture Types.

There are no pending requests at this time.

Thank you,

Michelle Cotton  
IANA

### 6.3 Moving the mailserver URI scheme from Provisional to Historic (Alexey Melnikov)

RFC 1738 defines the "mailserver" URI scheme as "Access to data available from mail servers". It doesn't provide any other details. I don't believe this URI scheme was ever deployed. There were an earlier attempt to document this URI scheme, but it failed. Opinion from people who participated in this attempt (Paul Hoffman, Martin Duerst) is that this scheme should be deprecated, partially because nobody can come up with an implementable definition of the scheme and partially because it was obsoleted by other URI schemes (e.g. the latest mailto:).

RFC 4395 (guidelines for registering URI schemes) says:

#### 4. Guidelines for Historical URI Scheme Registration

In some circumstances, it is appropriate to note a URI scheme that was once in use or registered but for whatever reason is no longer in common use or the use is not recommended. In this case, it is possible for an individual to request that the URI scheme be registered (newly, or as an update to an existing registration) as 'historical'. Any scheme that is no longer in common use MAY be designated as historical; the registration should contain some indication to where the scheme was previously defined or documented.

#### 5.3. Change Control

Provisional registrations may be updated by the original registrant or anyone designated by the original registrant. In addition, the IESG may reassign responsibility for a provisional registration scheme, or may request specific changes to a scheme registration. This will enable changes to be made to schemes where the original registrant is out of contact, or unwilling or unable to make changes.

Transition from 'provisional' to 'permanent' status may be requested and approved in the same manner as a new 'permanent' registration. Transition from 'permanent' to 'historical' status requires IESG approval. Transition from 'provisional' to 'historical' may be

requested by anyone authorized to update the provisional registration.

Based on my reading of RFC 4395, I believe IESG can move this URI scheme registration from "Provisional" to "Historic".

#### 6.4 IANA registry licensing (Alexey Melnikov)

Dear IESG,

I am not entirely sure if this is a matter for IESG, IESG+IAB or just IAB (or even IAOC). But I would like to discuss it to at least figure out which group is the right one for handling this kind of question.

Some in the HTML community (e.g., people associated with Mozilla) have concerns about use of IANA registries for artefacts, because the licensing terms on the registry data (especially the machine-readable form) are unclear. In many cases, they need to be able to incorporate registry data

--

in whole or in part, possibly with modifications or additions -- into their

Open Source products, but without clear licensing terms, they're unable to do so.

Registry data has historically been incorporated in a variety of implementations. However, they're looking for a "clean" solution whereby there isn't any ambiguity about the provenance of the data, so that they're able to resist legal challenges, and be incorporated into distributions that bar use of any source without clear terms.

Ideally, then, IANA would have unambiguous licensing terms for all its registry data. The Simplified BSD license in the Trust documents would suit this purpose well.

There is a sense of urgency here; there are members of the W3C HTML WG who are skeptical that IANA is a suitable registrar for Link Relations (RFC5988-to-be), and may use any lack of clear licensing terms to argue against its adoption (The W3C WG intends to go to Last Call on October 1,

and therefore needs to resolve this quickly).

Therefore, it would be most helpful if one of the following could happen ASAP (e.g., in the next week or so):

1. IANA explicitly licenses all registry data with the Simplified BSD license, or
2. IANA and/or the IAB publicly expresses an intent to pursue licensing registry data under Open Source compatible terms (e.g., a press release),  
or
3. We incorporate licensing terms into the Web Linking RFC-to-be as an exceptional case (which IANA would need to handle exceptionally).

6.5 Web Linking draft (draft-nottingham-http-link-header-10.txt) in AUTH48 - IANA changes (Alexey Melnikov)

Mark Nottingham (the author of the document) discussed with IANA the XML format of the proposed web linking registry and concluded that while his original intent was to make IANA's life easier by specifying the format, it looks like the document is requiring more from IANA, because IANA already has own XML tools and preferences regarding the XML format. So Mark has proposed the following changes to the document:

In Section 6.2.1, the following text is removed:

When a registration request is successful, the Designated Expert(s)  
will update the registry XML file (using the format described in  
Appendix A including the MIT license) and send it to the [TBD-2]@  
ietf.org mailing list (which SHOULD NOT be centrally archived, so  
as  
to avoid load issues from automated agents, and only accept posts  
from the Designated Expert(s)), so that implementers interested in  
receiving a machine-readable registry can do so. Simultaneously,  
they will send a text (not XML) version of the registry to IANA  
for  
publication.

And the whole Appendix A: ("Link Relation Registry Format") is removed.  
It starts with:

To facilitate applications that wish to use registry data in an automated fashion, this specification defines an XML-based format for the registry entries.

Each registered relation type is represented by a RelationType element, and if any of the app data values are other than the default value identified in the Application Data Registry, they will be represented by appdata elements.

Note that this format is NOT that which IANA publishes the registry in, because doing so would subject IANA's servers to, potentially, very high load (e.g., if Web browsers were to automatically update their copies of the registry). Instead, this format is published to the [TBD-2]@ietf.org mailing list, so that interested implementors can subscribe and distribute the machine-readable document using their own infrastructure.

+ contains the Relax NG schema.

My question to IESG: is it Ok to do this change in AUTH48, or should I ask for community feedback on this (another LC or similar)?  
The major change is that the use of [TBD-2]@ietf.org mailing list for automatic distribution of new entries in XML is going away.

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#### 4. PREVIOUS MINUTES

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DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*DRAFT\*  
INTERNET ENGINEERING STEERING GROUP (IESG)  
Minutes of the September 9, 2010 IESG Teleconference

Reported by: Amy Vezza, IETF Secretariat

#### ATTENDEES

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Jari Arkko (Ericsson) / Internet Area  
Amanda Baber (ICANN) / IANA liaison  
Ron Bonica (Juniper Networks) / Operations and Management Area  
Stewart Bryant (Cisco) / Routing Area

Gonzalo Camarillo / Real-time Applications and Infrastructure Area  
Ralph Droms (Cisco) / Internet Area  
Linda Dunbar / Scribe  
Lars Eggert (Nokia) / Transport Area  
Adrian Farrel (Huawei) / Routing Area  
Sandy Ginoza (AMS) / RFC Editor liaison  
Susan Hares / Scribe  
David Harrington (HuaweiSymantec) / Transport Area  
Russ Housley (Vigil Security, LLC) / IETF Chair, General Area  
Glenn Kowack / RFC Series Editor  
John Leslie / Scribe  
Danny McPherson (Arbor Networks, Inc.) / IAB Liaison  
Alexey Melnikov (Isode Limited) / Applications Area  
Tim Polk (NIST) / Security Area  
Dan Romascanu (Avaya) / Operations and Management Area  
Peter Saint-Andre (Cisco) / Applications Area  
Robert Sparks (Tekelec) / Real-time Applications and Infrastructure Area  
Sean Turner (IECA, Inc.) / Security Area  
Amy Vezza (AMS) / IETF Secretariat

#### REGRETS

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Michelle Cotton (ICANN) / IANA liaison  
Olaf Kolkman (NLnet Labs) / IAB Chair  
Barry Leiba / Scribe  
Cindy Morgan (AMS) / IETF Secretariat  
Ray Pelletier (ISOC) / IAD

#### MINUTES

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1. Administrivia  
1.1 Approval of the Minutes

The minutes of the August 26, 2010 Teleconference were approved. The Secretariat will place the minutes in the public archives.

The narrative minutes of the August 26, 2010 Teleconferences were approved.  
The Secretariat will place the minutes in the public archives.

1.2 Documents Approved since the August 26, 2010 IESG Teleconference  
1.2.1 Protocol Actions

- o draft-ietf-behave-address-format-10.txt (Proposed Standard)
- o draft-ietf-behave-v6v4-xlate-stateful-12.txt (Proposed Standard)

- o draft-ietf-ippm-spatial-composition-16.txt (Proposed Standard)

### 1.2.2 Document Actions

- o draft-davis-u-langtag-ext-04.txt (Informational)
- o draft-ietf-opsec-routing-protocols-crypto-issues-07.txt (Informational)
- o draft-mattsson-mikey-ticket-05.txt (Informational)

### 1.3 Review of Action Items

DONE:

NONE

UPDATED:

NONE

IN PROGRESS:

- o Jari Arkko to add guidance on multi-Area work to the wiki.
- o Michelle Cotton to provide draft of -bis document for RFC 4020 Allocation procedures.
- o Ralph Droms will assist IANA with a response to the inquiry about the assignment of an EDNS0 option code point in the dns-parameters registry [IANA #376937].

NEW:

- o Russ Housley to prepare an IESG Statement on document shepherding.

## 2. Protocol Actions

### 2.1 WG Submissions

#### 2.1.1 New Items

- o draft-ietf-calsify-rfc2447bis-10  
iCalendar Message-Based Interoperability Protocol (iMIP) (Proposed Standard) - 1 of 3  
Token: Peter Saint-Andre

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms and Sean Turner.\*

- o draft-ietf-geopriv-arch-02  
An Architecture for Location and Location Privacy in Internet

## Applications

(BCP) - 2 of 3

Token: Robert Sparks

The document remains under discussion by the IESG in order to resolve points raised by David Harrington, Robert Sparks, and Sean Turner.\*

o draft-ietf-avt-forward-shifted-red-06

Forward-shifted RTP Redundancy Payload Support (Proposed Standard) - 3 of 3

3

Token: Robert Sparks

The document remains under discussion by the IESG in order to resolve points raised by Adrian Farrel and Alexey Melnikov.\*

### 2.1.2 Returning Items

o draft-ietf-dna-simple-17

Simple procedures for Detecting Network Attachment in IPv6 (Proposed Standard) - 1 of 3

Token: Jari Arkko

The document was approved by the IESG pending an RFC Editor Note to be prepared by Jari Arkko. The Secretariat will send a working group submission Protocol Action Announcement that includes the RFC Editor Note.

o draft-ietf-mext-flow-binding-09

Flow Bindings in Mobile IPv6 and NEMO Basic Support (Proposed Standard)

-

2 of 3

Token: Jari Arkko

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert.\*

o draft-ietf-6man-dns-options-bis-08

IPv6 Router Advertisement Options for DNS Configuration (Proposed Standard) - 3 of 3

Token: Jari Arkko

The document was approved before the teleconference, and removed from the agenda.

## 2.2 Individual Submissions

### 2.2.1 New Items

#### o draft-das-mipshop-andsf-dhcp-options-04

Dynamic Host Configuration Protocol (DHCPv4 and DHCPv6) Options for Access

Network Discovery and Selection Function(ANDSF) Discovery (Proposed Standard) - 1 of 2

Token: Jari Arkko

The document remains under discussion by the IESG in order to resolve points raised by Ralph Droms, Lars Eggert, Tim Polk, and Sean Turner.\*

#### o draft-daboo-srv-caldav-08

Locating CalDAV and CardDAV services (Proposed Standard) - 2 of 2

Token: Alexey Melnikov

The document remains under discussion by the IESG in order to resolve points raised by Lars Eggert.\*

### 2.2.2 Returning Items

NONE

## 3. Document Actions

### 3.1 WG Submissions

#### 3.1.1 New Items

#### o draft-ietf-nsis-nsip-auth-06

Authorization for NSIS Signaling Layer Protocols (Experimental) - 1 of 1

Token: Lars Eggert

The document remains under discussion by the IESG in order to resolve points raised by Russ Housley, Tim Polk, and Sean Turner.\*

#### 3.1.2 Returning Items

NONE

### 3.2 Individual Submissions Via AD

#### 3.2.1 New Items

NONE

### 3.2.2 Returning Items

o draft-cakulev-mikey-ibake-02

MIKEY-IBAKE: Identity-Based Mode of Key Distribution in Multimedia Internet KEYing (MIKEY) (Informational) - 1 of 1

Token: Tim Polk

The document was removed from the agenda before the teleconference. It will be discussed at the next IESG teleconference (09/23/2010)

### 3.3 Independent Submissions Via the IRTF

#### 3.3.1 New Items

o draft-irtf-iccrwg-welzl-congestion-control-open-research-08

Open Research Issues in Internet Congestion Control (Informational) - 1 of 1

Token: Lars Eggert

The IESG has no problem with the IRTF publishing this document. The Secretariat will send a standard "no problem" message to the IRSG that includes an RFC Editor Note to be prepared by Lars Eggert.

### 3.3 Independent Submissions Via RFC Editor

#### 3.3.2 Returning Items

NONE

### 3.3 Independent Submissions Via RFC Editor

#### 3.3.3 For Action

o draft-dzis-nwg-nttdm-04

(The Network Trouble Ticket Data Model) (Experimental) - 1 of 1

Token: Peter Saint-Andre

The document was assigned to Peter Saint-Andre for RFC 5742 review.

## 4. Working Group Actions

### 4.1 WG Creation

#### 4.1.1 Proposed for IETF Review (1 of 1)

o Energy Management (eman)

Token: Dan Romascanu

The IESG approved the draft WG charter for IETF review. The Secretariat will send a WG Review announcement, with a separate

message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG Teleconference (09/23/2010).

#### 4.1.2 Proposed for Approval

NONE

#### 4.2 WG Rechartering

##### 4.2.1 Under Evaluation for IETF Review (1 of 1)

o Hypertext Transfer Protocol Bis (httpbis)

Token: Alexey Melnikov

The IESG decided to proceed with IETF review of the revised charter. The Secretariat will send a WG Review: Recharter announcement, with a separate message to new-work@ietf.org. The Secretariat will place the WG on the agenda for the next IESG teleconference (09/23/2010).

##### 4.2.2 Proposed for Approval

NONE

#### 5. IAB News We Can Use

#### 6. Management Items

6.1 Registration of application/mathml+xml, application/mathml-presentation+xml and application/mathml-content+xml Media Types (Alexey Melnikov)

The management issue was discussed. The IESG approved the registration of these three media types.

6.2 IANA status of the Web Linking registry (draft-nottingham-http-link-header-10.txt) (Alexey Melnikov)

The management issue was discussed.

6.3 Migration of ietf-types@iana.org to ietf.org (Alexey Melnikov)

The management issue was discussed. The IESG has decided to re-host the ietf-types email list at ietf.org.

6.4 Discussion of Document Shepherds (Russ Housley)

The management issue was discussed.

Action item: Russ Housley to prepare an IESG Statement on document shepherding.

## 7. Working Group News

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\* Please see the ID Tracker (<https://datatracker.ietf.org/doc/>) for details on documents that are under discussion by the IESG.

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Return-Path: <alexey.melnikov@isode.com>  
X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com (Postfix) with ESMTP id 978273A6F06 for <iesg@core3.amsl.com>; Thu, 6 Jan 2011 05:12:38 -0800 (PST)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -102.274  
X-Spam-Level:  
X-Spam-Status: No, score=-102.274 tagged\_above=-999 required=5 tests=[AWL=0.325, BAYES\_00=-2.599, USER\_IN\_WHITELIST=-100]  
Received: from mail.ietf.org ([64.170.98.32]) by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id RMD1aGrgSn9d for <iesg@core3.amsl.com>; Thu, 6 Jan 2011 05:12:37 -0800 (PST)  
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Message-ID: <4D25C017.3000808@isode.com>  
Date: Thu, 06 Jan 2011 13:13:59 +0000  
From: Alexey Melnikov <alexey.melnikov@isode.com>  
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.7.12) Gecko/20050915  
X-Accept-Language: en-us, en  
To: Sean Turner <turners@ieca.com>  
Subject: Re: Sean Turner's No Objection on draft-melnikov-mailserver-

uri-to-historic-00: (with COMMENT)  
References: <20110105153050.3422.14396.idtracker@localhost>  
In-Reply-To: <20110105153050.3422.14396.idtracker@localhost>  
MIME-Version: 1.0  
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Content-Transfer-Encoding: 7bit  
Cc: draft-melnikov-mailserver-uri-to-historic@tools.ietf.org, The IESG  
<iesg@ietf.org>  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
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List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
X-List-Received-Date: Thu, 06 Jan 2011 13:12:38 -0000

Sean Turner wrote:

>-----  
>COMMENT:  
>-----  
>  
>Should "Updates: 1738 (once approved)" appear on the 1st page?  
>  
>  
Hmm, RFC 1738 was obsoleted.

So maybe add Obsoletes: 1738? This is the same think that was done by  
RFC4248 (telnet URIs) and RFC4266 (gopher URIs).

Return-Path: <turners@ieca.com>  
X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com  
(Postfix) with ESMTP id 746393A6F0E for <iesg@core3.amsl.com>; Thu, 6  
Jan 2011 05:45:28 -0800 (PST)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -102.536  
X-Spam-Level:

X-Spam-Status: No, score=-102.536 tagged\_above=-999 required=5 tests=[AWL=0.062, BAYES\_00=-2.599, UNPARSEABLE\_RELAY=0.001, USER\_IN\_WHITELIST=-100]  
Received: from mail.ietf.org ([64.170.98.32]) by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id A+FmNnb9M7Qe for <iesg@core3.amsl.com>; Thu, 6 Jan 2011 05:45:27 -0800 (PST)  
Received: from nm20-vm0.bullet.mail.ac4.yahoo.com (nm20-vm0.bullet.mail.ac4.yahoo.com [98.139.53.214]) by core3.amsl.com (Postfix) with SMTP id 8DB373A6CF1 for <iesg@ietf.org>; Thu, 6 Jan 2011 05:45:27 -0800 (PST)  
Received: from [98.139.52.192] by nm20.bullet.mail.ac4.yahoo.com with NNFP; 06 Jan 2011 13:47:31 -0000  
Received: from [98.139.52.177] by tm5.bullet.mail.ac4.yahoo.com with NNFP; 06 Jan 2011 13:47:31 -0000  
Received: from [127.0.0.1] by omp1060.mail.ac4.yahoo.com with NNFP; 06 Jan 2011 13:47:31 -0000  
X-Yahoo-Newman-Id: 181119.83294.bm@omp1060.mail.ac4.yahoo.com  
Received: (qmail 93651 invoked from network); 6 Jan 2011 13:47:31 -0000  
Received: from thunderfish.local (turners@96.231.125.241 with plain) by smtp113.biz.mail.re2.yahoo.com with SMTP; 06 Jan 2011 05:47:30 -0800 PST  
X-Yahoo-SMTP: ZrP3VLSswBDL75pF8ymZHDSu9B.vcMfDPgLJ  
X-YMail-OSG: CHA1vJgVM1kndlfeAJDUMcaoo4HBcoceSmc50yRpsMreJlS  
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Message-ID: <4D25C7F2.7050809@ieca.com>  
Date: Thu, 06 Jan 2011 08:47:30 -0500  
From: Sean Turner <turners@ieca.com>  
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.6; en-US; rv:1.9.2.13) Gecko/20101207 Lightning/1.0b2 Thunderbird/3.1.7  
MIME-Version: 1.0  
To: Alexey Melnikov <alexey.melnikov@isode.com>  
Subject: Re: Sean Turner's No Objection on draft-melnikov-mailserver-uri-to-historic-00: (with COMMENT)  
References: <20110105153050.3422.14396.idtracker@localhost>  
<4D25C017.3000808@isode.com>  
In-Reply-To: <4D25C017.3000808@isode.com>  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit  
Cc: draft-melnikov-mailserver-uri-to-historic@tools.ietf.org, The IESG <iesg@ietf.org>  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9

Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
X-List-Received-Date: Thu, 06 Jan 2011 13:45:28 -0000

On 1/6/11 8:13 AM, Alexey Melnikov wrote:

> Sean Turner wrote:

>  
>>

-----  
>> COMMENT:

>>

-----  
>>

>> Should "Updates: 1738 (once approved)" appear on the 1st page?

>>

>>

> Hmm, RFC 1738 was obsoleted.

>

> So maybe add Obsoletes: 1738? This is the same think that was done by  
> RFC4248 (telnet URIs) and RFC4266 (gopher URIs).

Yeah I guess that would work.

spt

Return-Path: <evnikita2@gmail.com>  
X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com  
(Postfix) with ESMTP id EA1BD3A697F; Wed, 26 Jan 2011 02:18:58 -0800  
(PST)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -1.953  
X-Spam-Level:  
X-Spam-Status: No, score=-1.953 tagged\_above=-999 required=5 tests=  
[AWL=-0.915, BAYES\_00=-2.599, HTML\_MESSAGE=0.001, J\_CHICKENPOX\_52=0.6,  
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Received: from mail.ietf.org ([64.170.98.32]) by localhost  
(core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id  
eDoevu0JaeHj; Wed, 26 Jan 2011 02:18:57 -0800 (PST)  
Received: from mail-fx0-f44.google.com (mail-fx0-f44.google.com  
[209.85.161.44]) by core3.amsl.com (Postfix) with ESMTP id 105003A6825;  
Wed, 26 Jan 2011 02:18:55 -0800 (PST)  
Received: by fxm9 with SMTP id 9so824840fxm.31 for <multiple  
recipients>; Wed, 26 Jan 2011 02:21:52 -0800 (PST)  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=gmail.com;  
s=gamma; h=domainkey-signature:message-id:date:from:user-agent:mime-  
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iusKRYc8Lktub/c0bhei3s=;  
b=CvN30GRK5TF0LGLLVfTaqvyXLioJXlvSfvLC51XrR0kQvHrV2CLABFpjmhAhy09rDs  
OH6uNjORpJgE5i0g0xnMQXlRuY6L5+6eEQ/OfyDb0VWZRkWAa5xNdfp2ey8b0R3js0wy  
eu4fKbQWLFYKMcoJswyIIZ0oCDWql01NaIUh4=  
DomainKey-Signature: a=rsa-sha1; c=noFWS; d=gmail.com; s=gamma;  
h=message-id:date:from:user-agent:mime-version:to:cc:subject :content-  
type; b=ok9NsSg  
+4jfbZsuR2tE0XMZuHnjEzMq43vC8uqsi7hstwpTJxAxafXW552FfP5riig  
lLCHso9GEuV1g7RnKM4cdoSH+EylbmQ5cI/yrwnBedjyzXGhNzewDFZ00pA+fY07v0lu  
bv4l0Y9TDM53TQIC3VLJZdPrEZIAJQN2oe5BY=  
Received: by 10.223.86.196 with SMTP id t4mr1423300fal.34.1296037312662;  
Wed, 26 Jan 2011 02:21:52 -0800 (PST)  
Received: from [127.0.0.1] ([195.191.104.134]) by mx.google.com with  
ESMTPS id e6sm5425067fav.8.2011.01.26.02.21.49 (version=SSLv3  
cipher=RC4-MD5); Wed, 26 Jan 2011 02:21:51 -0800 (PST)  
Message-ID: <4D3FF5D4.20609000@gmail.com>  
Date: Wed, 26 Jan 2011 12:22:12 +0200  
From: Mykyta Yevstifeyev <evnikita2@gmail.com>  
User-Agent: Mozilla/5.0 (Windows; U; Windows NT 5.1; ru; rv:1.9.2.13)  
Gecko/20101207 Thunderbird/3.1.7  
MIME-Version: 1.0  
To: IETF Discussion <ietf@ietf.org>, iesg <iesg@ietf.org>, "uri-  
review@ietf.org" <uri-review@ietf.org>  
Subject: Last Call summary on draft-yevstifeyev-tn3270-uri  
Content-Type: multipart/alternative;  
boundary="-----020407090604000606070509"  
X-Mailman-Approved-At: Wed, 26 Jan 2011 05:44:25 -0800  
Cc: URI <uri@w3.org>, "apps-discuss@ietf.org" <apps-discuss@ietf.org>  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>

List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
X-List-Received-Date: Wed, 26 Jan 2011 10:18:59 -0000

This is a multi-part message in MIME format.

-----020407090604000606070509

Content-Type: text/plain; charset=UTF-8; format=flowed  
Content-Transfer-Encoding: 7bit

Hello all,

This message summarizes the Last Call on draft-yevstifeyev-tn3270-uri (<http://tools.ietf.org/id/draft-yevstifeyev-tn3270-uri-13.txt>).

Firstly, some statistical information. The Last Call was requested by Peter Saint-Andre on 4 January, 2011 and was announced on 4 January, 2011. The Last Call ends on 1 February, 2011. The LC announcement has been sent out to IETF Discussion, uri-review and URI@w3c.org mailing lists. A number of comments have been received during the Last Call. The most current version - 13 - I have just uploaded is believed to resolve them. Moreover, a number of improvements have been made to improve the document quality.

Secondly, here is the exhaustive list of differences between the 12 version and 13 version.

/Intended status/ - did not change: Informational;

/Title/ - changed. Was \*The 'tn3270' Uniform Resource Identifier Scheme\* and now is \*The 'tn3270' Uniform Resource Identifier (URI) Scheme\*. I'm asking Peter to change the writeup in accordance to this.

/Abstract/ - did not change;

/Introduction/ - changed. Added the RFC 2119 boilerplate (now used throughout the document); added the reference to IANA registry; clarified the purpose of the document; some other minor changes.

/Scheme definition/ - changed. Split the designated service into Telnet 3270 and Telnet 3270 Enchanted, added the reference to IBM Publication GA23-0059, related to 3270 data stream; added the reference to RFC 3049, related to TN3270E; clarified the URI syntax, as follows.  
Was:

> The 'tn3270' URI takes the following form (given in ABNF, as

```

> described inRFC 5234 <http://tools.ietf.org/html/rfc5234>
[RFC5234 <http://tools.ietf.org/html/rfc5234>]):
>
> tn3270uri = "tn3270:" "/" authority ["/"]
>
> The 'authority' rule is defined inRFC 3986 <http://
tools.ietf.org/html/rfc3986> [RFC3986 <http://tools.ietf.org/html/
rfc3986>]. The final
> character "/" can be omitted.
>

```

Now:

```

> The 'tn3270' URI takes the following form (given in ABNF, as
> described inRFC 5234 <http://tools.ietf.org/html/rfc5234>
[RFC5234 <http://tools.ietf.org/html/rfc5234>]):
>
> tn3270uri = "tn3270:" hier-part
> hier-part = "/" authority ["/"]
>             ;the URI takes the form
>             ;tn3270://<user>:<password>@<host>:<port>/
>             ;that is formally defined via the 'authority'
>
> The 'authority' rule is specified inRFC 3986 <http://
tools.ietf.org/html/rfc3986> [RFC3986 <http://tools.ietf.org/html/
rfc3986>]. If 'port'
> (in the 'authority' part) is omitted, it SHALL default to 21. The
> final character "/" MAY be omitted.

```

/Security Considerations/ - changed. Clarified why there are no other security considerations for 'tn3270' scheme other than the 'telnet' one has.

/IANA Considerations/ - changed. added the reference to RFC 4395; changed the description of protocol, that uses the scheme in accordance with Section 2; changed the Contact and author to IESG and IETF, respectively.

/References/ - RFC 4395 is now Informative; added the references to RFC 3049, IANA registry and IBM Publication GA23-0059.

/Acknowledgments/ - corrected the typographical mistake in the last name of Alfred Hoenes.

/Author's addresses/ - changed, clarified the address.

Lastly, during the LC the document was reviewed by IANA, GenART and OPS-DIR Review Team. I'm citing their reviews.

IANA:

- > IANA understands that, upon approval of this document, there is a single
- > Action that IANA needs to complete.
- >
- > In the URI schemes registry located at:
- >
- > <http://www.iana.org/assignments/uri-schemes.html>
- >
- > in the Provisional URI Schemes section, the follow registration will be
- > added:
- >
- > URI Scheme: tn3270
- > Description: TN3270 Telnet Service
- > Reference: [RFC-to-be]
- >
- > IANA understands that this is the only action required upon approval of
- > this document.

GenART:

- > I am the assigned Gen-ART reviewer for this draft. For background on
- > Gen-ART, please see the FAQ at
- > <http://wiki.tools.ietf.org/area/gen/trac/wiki/GenArtfaq>.
- >
- > Please resolve these comments along with any other Last Call comments
- > you may receive.
- >
- > Document: draft-yevstifeyev-tn3270-uri-12
- > Reviewer: Vijay K. Gurbani
- > Review Date: Jan-14-2011
- > IETF LC End Date: Feb-02-2011
- > IESG Telechat date: Unknown
- >
- > Summary: This draft is ready as an Informational RFC.
- >
- > Major issues: 0
- > Minor issues: 0
- > Nits/editorial comments: 0
- >
- > Thanks,

>  
> - vijay  
> --  
> Vijay K. Gurbani, Bell Laboratories, Alcatel-Lucent  
> 1960 Lucent Lane, Rm. 9C-533, Naperville, Illinois 60566 (USA)  
> Email: vkg@{bell-labs.com,acm.org} / vijay.gurbani@alcatel-lucent.com  
> Web: <http://ect.bell-labs.com/who/vkg/>

OPS-DIR:

> -----Original Message-----  
> From: ops-dir-bounces@ietf.org [mailto:ops-dir-bounces@ietf.org] On  
> Behalf Of ext Ersue, Mehmet (NSN - DE/Munich)  
> Sent: Wednesday, January 12, 2011 1:07 PM  
> To: ops-dir@ietf.org  
> Cc: draft-yevstifeyev-tn3270-uri-authors@tools.ietf.org  
> Subject: [OPS-DIR] OPS-DIR Review of draft-yevstifeyev-tn3270-uri-12  
>  
> I reviewed draft-yevstifeyev-tn3270-uri-12 for its operational  
impacts..  
>  
> Summary:  
> The document gives a specification of syntax, semantics and use of  
> 'tn3270' URI scheme.  
>  
> Obviously this is an individual submission without any document write-  
up  
> and supporting AD.  
> I would like to read a document write-up with the regular template  
even  
> if it is written by the author.  
>  
> The main purpose of the document, namely to update the IANA  
registration  
> of tn3270 URI scheme using the given registration template, should be  
> added to the Introduction section. In general I would suggest to  
include  
> in the Introduction section the purpose of the action and more  
> importantly why existing IANA registrations are not sufficient and why  
> the publication of this RFC is needed.  
>  
> Obviously the GEN-Area reviewer (Tom Petch) has an opposite opinion  
and  
> does not see this IANA registration in the interest of IETF (see  
> [https://www.ietf.org/ibin/c5i?](https://www.ietf.org/ibin/c5i?mid=6&rid=49&gid=0&k1=933&k2=55119&tid=129)  
mid=6&rid=49&gid=0&k1=933&k2=55119&tid=129

> 4831574). The reviewer furthermore states, following the rules in  
> RFC4395 the document should provide concrete contact information for  
the  
> editor instead of an anonymous email address only.  
>  
> I don't see any additional operation impact other than above.  
>  
> Other issues:  
>  
> - The used language needs some polishing.  
>  
> - Following are draft nits suggesting correction:  
>  
> == The copyright year in the IETF Trust and authors Copyright Line  
does  
> not  
>     match the current year  
>  
> -> Use new template or: s/2010/2011/  
>  
> -- Obsolete informational reference (is this intentional?): RFC 1738  
>     (Obsoleted by RFC 4248, RFC 4266)  
>  
> -> Use correct reference or clarify.  
>  
>  
> Mehmet  
>  
> \_\_\_\_\_  
> OPS-DIR mailing list  
> OPS-DIR@ietf.org  
> <https://www.ietf.org/mailman/listinfo/ops-dir>  
>

The most current version is believed to resolve all the comments  
received.

No changes are intended to be made up to the end of the LC. This  
message is to allow the IESG to preliminarily review the doc.

Looking forward for the decision of IESG,  
Mykyta Yevstifeyev

-----020407090604000606070509  
Content-Type: text/html; charset=UTF-8  
Content-Transfer-Encoding: 8bit

```

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
  <head>
    <meta http-equiv="content-type" content="text/html; charset=UTF-8">
  </head>
  <body bgcolor="#ffffff" text="#000000">
    Hello all,<br>
    <br>
    This message summarizes the Last Call on
    draft-yevstifeyev-tn3270-uri
    (<a class="moz-txt-link-freetext" href="http://tools.ietf.org/id/
    draft-yevstifeyev-tn3270-uri-13.txt">http://tools.ietf.org/id/draft-
    yevstifeyev-tn3270-uri-13.txt</a>).-† <br>
    <br>
    Firstly, some statistical information.-† The Last Call was requested
    by Peter Saint-Andre on 4 January, 2011 and was announced on 4
    January, 2011.-† The Last Call ends on 1 February, 2011.-† The LC
    announcement has been sent out to IETF Discussion, uri-review and
    <a class="moz-txt-link-abbreviated"
    href="mailto:URI@w3c.org">URI@w3c.org</a> mailing lists.-† A number of
    comments have been received
    during the Last Call.-† The most current version - 13 - I have just
    uploaded is believed to resolve them.-† Moreover, a number of
    improvements have been made to improve the document quality.<br>
    <br>
    Secondly, here is the exhaustive list of differences between the 12
    version and 13 version.<br>
    <br>
    <i>Intended status</i> - did not change: Informational;<br>
    <br>
    <i>Title</i> - changed.-† Was <b>The 'tn3270' Uniform Resource
    Identifier Scheme</b> and now is <b>The 'tn3270' Uniform Resource
    Identifier <span class="insert">(URI)</span> Scheme</b>.-† I'm
    asking Peter to change the writeup in accordance to this.<br>
    <br>
    <i>Abstract</i> - did not change;<br>
    <br>
    <i>Introduction</i> - changed.-† Added the RFC 2119 boilerplate (now
    used throughout the document); added the reference to IANA registry;
    clarified the purpose of the document; some other minor changes.<br>
    <br>
    <i>Scheme definition</i> - changed.-† Split the designated
    service
    into Telnet 3270 and Telnet 3270 Enchanted, added the reference to
    IBM Publication GA23-0059, related to 3270 data stream; added the
    reference to RFC 3049, related to TN3270E; clarified the URI syntax,

```

as follows.~† Was:<br>  
<blockquote type="cite">  
    <pre class="newpage">The 'tn3270' URI takes the following form  
(given in ABNF, as  
    described in <a href="http://tools.ietf.org/html/rfc5234">RFC 5234</  
a> [<a href="http://tools.ietf.org/html/rfc5234" title="&quot;Augmented  
BNF for Syntax Specifications: ABNF&quot;">RFC5234</a>]):

```
tn3270uri = "tn3270:" "/" authority ["/"]
```

The 'authority' rule is defined in <a href="http://tools.ietf.org/html/rfc3986">RFC 3986</a> [<a href="http://tools.ietf.org/html/rfc3986" title="&quot;Uniform Resource Identifier (URI): Generic Syntax&quot;">RFC3986</a>]. The final character "/" can be omitted.

```
</pre>  
</blockquote>  
<br>  
Now:<br>  
<br>  
<blockquote type="cite">  
    <pre class="newpage"> The 'tn3270' URI takes the following form  
(given in ABNF, as  
    described in <a href="http://tools.ietf.org/html/rfc5234">RFC 5234</  
a> [<a href="http://tools.ietf.org/html/rfc5234" title="&quot;Augmented  
BNF for Syntax Specifications: ABNF&quot;">RFC5234</a>]):
```

```
tn3270uri = "tn3270:" hier-part  
hier-part = "/" authority ["/"]  
          ;the URI takes the form  
          ;<a class="moz-txt-link-freetext"  
href="tn3270:/">tn3270://</  
a>&lt;user&gt;;&lt;password&gt;@&lt;host&gt;;&lt;port&gt;;/  
          ;that is formally defined via the 'authority'
```

The 'authority' rule is specified in <a href="http://tools.ietf.org/html/rfc3986">RFC 3986</a> [<a href="http://tools.ietf.org/html/rfc3986" title="&quot;Uniform Resource Identifier (URI): Generic Syntax&quot;">RFC3986</a>]. If 'port' (in the 'authority' part) is omitted, it SHALL default to 21. The final character "/" MAY be omitted.

```
</pre>  
</blockquote>  
<br>  
<i>Security Considerations</i> - changed.~† Clarified why there are
```

no other security considerations for 'tn3270' scheme other than the 'telnet' one has.<br>

<br>

<i>IANA Considerations</i> - changed.-† added the reference to RFC 4395; changed the description of protocol, that uses the scheme in accordance with Section 2; changed the Contact and author to IESG and IETF, respectively.<br>

<br>

<i>References</i> - RFC 4395 is now Informative; added the references to RFC 3049, IANA registry and IBM Publication

GA23-0059.<br>

<br>

<i>Acknowledgments</i> - corrected the typographical mistake in the last name of Alfred Hoenes.<br>

<br>

<i>Author's addresses</i> - changed, clarified the address.<br>

<br>

Lastly, during the LC the document was reviewed by IANA, GenART and OPS-DIR Review Team.-† I'm citing their reviews.<br>

<br>

IANA:<br>

<blockquote type="cite">IANA understands that, upon approval of this document, there is a single<br>

Action that IANA needs to complete.<br>

<br>

In the URI schemes registry located at:<br>

<br>

<a href="http://www.iana.org/assignments/uri-schemes.html"

rel="nofollow">http://www.iana.org/assignments/uri-schemes.html</a><br>

<br>

in the Provisional URI Schemes section, the follow registration will be<br>

added:<br>

<br>

URI Scheme: tn3270<br>

Description: TN3270 Telnet Service<br>

Reference: [RFC-to-be]<br>

<br>

IANA understands that this is the only action required upon approval of<br>

this document.

</blockquote>

<br>

GenART:<br>

<br>

<blockquote type="cite">I am the assigned Gen-ART reviewer for this draft. For background on  
<br>  
Gen-ART, please see the FAQ at  
<br>  
<a class="moz-txt-link-rfc2396E"  
href="http://wiki.tools.ietf.org/area/gen/trac/wiki/  
GenArtfaq">&lt;http://wiki.tools.ietf.org/area/gen/trac/wiki/  
GenArtfaq&gt;</a>.

<br>

<br>

Please resolve these comments along with any other Last Call comments

<br>

you may receive.

<br>

<br>

Document: draft-yevstifeyev-tn3270-uri-12

<br>

Reviewer: Vijay K. Gurbani

<br>

Review Date: Jan-14-2011

<br>

IETF LC End Date: Feb-02-2011

<br>

IESG Telechat date: Unknown

<br>

<br>

Summary: This draft is ready as an Informational RFC.

<br>

<br>

Major issues: 0

<br>

Minor issues: 0

<br>

Nits/editorial comments: 0

<br>

<br>

Thanks,

<br>

<br>

- vijay

<br>

<span class="moz-txt-tag">---†<br>

</span>Vijay K. Gurbani, Bell Laboratories, Alcatel-Lucent

<br>

1960 Lucent Lane, Rm. 9C-533, Naperville, Illinois 60566 (USA)  
<br>  
Email: vkg@{bell-labs.com,acm.org} / <a  
class="moz-txt-link-abbreviated"  
href="mailto:vijay.gurbani@alcatel-  
lucent.com">vijay.gurbani@alcatel-lucent.com</a>  
<br>  
Web:~†~† <a class="moz-txt-link-freetext"  
href="http://ect.bell-labs.com/who/vkg/">http://ect.bell-  
labs.com/who/vkg/</a>  
<br>  
</blockquote>  
<br>  
OPS-DIR:<br>  
<br>  
<blockquote type="cite">  
 <div class="moz-text-plain" wrap="true" style="font-family:  
 -moz-fixed; font-size: 13px;" lang="x-western">  
 <pre wrap="">-----Original Message-----  
From: <a class="moz-txt-link-abbreviated" href="mailto:ops-dir-  
bounces@ietf.org">ops-dir-bounces@ietf.org</a> [<a class="moz-txt-link-  
freetext" href="mailto:ops-dir-bounces@ietf.org">mailto:ops-dir-  
bounces@ietf.org</a>] On  
Behalf Of ext Ersue, Mehmet (NSN - DE/Munich)  
Sent: Wednesday, January 12, 2011 1:07 PM  
To: <a class="moz-txt-link-abbreviated" href="mailto:ops-  
dir@ietf.org">ops-dir@ietf.org</a>  
Cc: <a class="moz-txt-link-abbreviated" href="mailto:draft-yevstifeyev-  
tn3270-uri-authors@tools.ietf.org">draft-yevstifeyev-tn3270-uri-  
authors@tools.ietf.org</a>  
Subject: [OPS-DIR] OPS-DIR Review of draft-yevstifeyev-tn3270-uri-12

I reviewed draft-yevstifeyev-tn3270-uri-12 for its operational impacts..

#### Summary:

The document gives a specification of syntax, semantics and use of  
'tn3270' URI scheme.

Obviously this is an individual submission without any document write-up  
and supporting AD.

I would like to read a document write-up with the regular template even  
if it is written by the author.

The main purpose of the document, namely to update the IANA registration  
of tn3270 URI scheme using the given registration template, should be  
added to the Introduction section. In general I would suggest to include

in the Introduction section the purpose of the action and more importantly why existing IANA registrations are not sufficient and why the publication of this RFC is needed.

Obviously the GEN-Area reviewer (Tom Petch) has an opposite opinion and does not see this IANA registration in the interest of IETF (see <https://www.ietf.org/ibin/c5i?mid=6&rid=49&gid=0&k1=933&k2=55119&tid=129> 4831574). The reviewer furthermore states, following the rules in RFC4395 the document should provide concrete contact information for the editor instead of an anonymous email address only.

I don't see any additional operation impact other than above.

Other issues:

- The used language needs some polishing.
- Following are draft nits suggesting correction:

== The copyright year in the IETF Trust and authors Copyright Line does not  
match the current year

-> Use new template or: s/2010/2011/

-- Obsolete informational reference (is this intentional?): RFC 1738  
(Obsoleted by RFC 4248, RFC 4266)

-> Use correct reference or clarify.

Mehmet

---

OPS-DIR mailing list

[OPS-DIR@ietf.org](mailto:OPS-DIR@ietf.org)

<https://www.ietf.org/mailman/listinfo/ops-dir>

</pre>

</div>

</blockquote>

The most current version is believed to resolve all the comments received.<br>  
<br>  
No changes are intended to be made up to the end of the LC.-† This message is to allow the IESG to preliminarily review the doc.<br>  
<br>  
Looking forward for the decision of IESG,<br>  
Mykyta Yevstifeyev<br>  
</body>  
</html>

-----020407090604000606070509--

Return-Path: <iesg-secretary@ietf.org>  
X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com (Postfix) with ESMTP id A526A3A692E for <iesg@core3.amsl.com>; Wed, 6 Apr 2011 05:10:06 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -102.55  
X-Spam-Level:  
X-Spam-Status: No, score=-102.55 tagged\_above=-999 required=5 tests=[AWL=0.049, BAYES\_00=-2.599, USER\_IN\_WHITELIST=-100]  
Received: from mail.ietf.org ([64.170.98.32]) by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id 2w2DVf1o-kLR for <iesg@core3.amsl.com>; Wed, 6 Apr 2011 05:10:05 -0700 (PDT)  
Received: from [127.0.0.1] (localhost [127.0.0.1]) by core3.amsl.com (Postfix) with ESMTP id 95B333A67B3 for <iesg@ietf.org>; Wed, 6 Apr 2011 05:10:05 -0700 (PDT)  
Content-Type: text/plain; charset="us-ascii"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
From: IESG Secretary <iesg-secretary@ietf.org>  
To: Internet Engineering Steering Group <iesg@ietf.org>  
Subject: Evaluation: <draft-yevstifeyev-tn3270-uri-18.txt> to Proposed Standard  
X-Test-IDTracker: no  
X-IETF-IDTracker: 3.14  
Message-ID: <20110406121005.6475.66865.idtracker@localhost>  
Date: Wed, 06 Apr 2011 05:10:05 -0700  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Precedence: list

Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=unsubscribe>  
List-Archive: <https://www.ietf.org/mailman/private/iesg>  
List-Post: <mailto:iesg@ietf.org>  
List-Help: <mailto:iesg-request@ietf.org?subject=help>  
List-Subscribe: <https://www.ietf.org/mailman/listinfo/iesg>,  
<mailto:iesg-request@ietf.org?subject=subscribe>  
X-List-Received-Date: Wed, 06 Apr 2011 12:10:06 -0000

Evaluation for <draft-yevstifeyev-tn3270-uri-18.txt> can be found at  
<http://datatracker.ietf.org/doc/draft-yevstifeyev-tn3270-uri/>

Last call to expire on: 2011-03-16

Please return the full line with your position.

	Yes	No-Objection	Discuss	Abstain
Peter Saint-Andre	[ X ]	[ ]	[ ]	[ ]

"Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
with no "Discuss" positions, are needed for approval.

DISCUSSES AND COMMENTS

=====

---- following is a DRAFT of message to be sent AFTER approval ---

#### Technical Summary

The 'tn3270' Uniform Resource Identifier (URI) scheme was originally mentioned in RFC 1738 and has long been included in the Provisional URI Schemes sub-registry maintained by the IANA. However, the syntax and semantics of the scheme has been unspecified. This document fills the gap for documentation of the scheme.

#### Working Group Summary

This document is not the product of an IETF working group.

## Document Quality

The document has undergone extensive review and discussion on both the URI-review and apps-discuss lists.

## Personnel

The Document Shepherd / Responsible Area Director is Peter Saint-Andre.

Return-Path: <iana-shared@icann.org>  
X-Original-To: iesg@core3.amsl.com  
Delivered-To: iesg@core3.amsl.com  
Received: from localhost (localhost [127.0.0.1]) by core3.amsl.com (Postfix) with ESMTP id 4D5693A697A for <iesg@core3.amsl.com>; Wed, 6 Apr 2011 12:01:14 -0700 (PDT)  
X-Virus-Scanned: amavisd-new at amsl.com  
X-Spam-Flag: NO  
X-Spam-Score: -1.246  
X-Spam-Level:  
X-Spam-Status: No, score=-1.246 tagged\_above=-999 required=5 tests=[AWL=0.061, BAYES\_00=-2.599, MISSING\_HEADERS=1.292]  
Received: from mail.ietf.org ([64.170.98.32]) by localhost (core3.amsl.com [127.0.0.1]) (amavisd-new, port 10024) with ESMTP id Z1pg01gHQKaD for <iesg@core3.amsl.com>; Wed, 6 Apr 2011 12:01:13 -0700 (PDT)  
Received: from pechora3.lax.icann.org (pechora3.icann.org [208.77.188.38]) by core3.amsl.com (Postfix) with ESMTP id CBEEA3A67B6 for <iesg@ietf.org>; Wed, 6 Apr 2011 12:01:06 -0700 (PDT)  
Received: from request1.lax.icann.org (request1.lax.icann.org [10.32.11.221]) by pechora3.lax.icann.org (8.13.8/8.13.8) with ESMTP id p36J2GcE012762 for <iesg@ietf.org>; Wed, 6 Apr 2011 12:02:36 -0700  
Received: from request1.lax.icann.org (localhost.localdomain [127.0.0.1]) by request1.lax.icann.org (8.13.8/8.13.8) with ESMTP id p36J2FMF020103 for <iesg@ietf.org>; Wed, 6 Apr 2011 19:02:15 GMT  
Received: (from apache@localhost) by request1.lax.icann.org (8.13.8/8.13.8/Submit) id p36J2FCa020100; Wed, 6 Apr 2011 19:02:15 GMT  
Subject: [IANA #441657] Evaluation: <draft-yevstifeyev-tn3270-uri-18.txt> to Proposed Standard  
From: "Amanda Baber via RT" <drafts-eval@iana.org>  
In-Reply-To: <20110406121005.6475.5612.idtracker@localhost>  
References: <RT-Ticket-441657@icann.org>  
<20110406121005.6475.5612.idtracker@localhost>

Message-ID: <rt-3.8.HEAD-18594-1302116535-1036.441657-7-0@icann.org>  
Precedence: bulk  
X-RT-Loop-Prevention: IANA  
RT-Ticket: IANA #441657  
Managed-by: RT 3.8.HEAD (<http://www.bestpractical.com/rt/>)  
RT-Originator: amanda.baber@icann.org  
Cc: iesg@ietf.org  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit  
Content-Type: text/plain; charset="utf-8"  
X-RT-Original-Encoding: utf-8  
Date: Wed, 6 Apr 2011 19:02:15 +0000  
X-Greylist: Sender DNS name whitelisted, not delayed by milter-greylst-4.0 (pechora3.lax.icann.org [208.77.188.38]); Wed, 06 Apr 2011 12:02:36 -0700 (PDT)  
X-BeenThere: iesg@ietf.org  
X-Mailman-Version: 2.1.9  
Reply-To: drafts-eval@iana.org  
List-Id: <iesg.ietf.org>  
List-Unsubscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=unsubscribe>>  
List-Archive: <<https://www.ietf.org/mailman/private/iesg>>  
List-Post: <<mailto:iesg@ietf.org>>  
List-Help: <<mailto:iesg-request@ietf.org?subject=help>>  
List-Subscribe: <<https://www.ietf.org/mailman/listinfo/iesg>>, <<mailto:iesg-request@ietf.org?subject=subscribe>>  
X-List-Received-Date: Wed, 06 Apr 2011 19:01:14 -0000

IESG:

IANA OK. Comments in tracker.  
IANA Actions - YES

Thank you,

Amanda Baber  
(on behalf of IANA)

On Wed Apr 06 12:12:14 2011, noreply@ietf.org wrote:

> Evaluation for <draft-yevstifeyev-tn3270-uri-18.txt> can be found at  
> <http://datatracker.ietf.org/doc/draft-yevstifeyev-tn3270-uri/>

>

> Last call to expire on: 2011-03-16

>

>

> Please return the full line with your position.

>

	Yes	No-Objection	Discuss	Abstain
> Peter Saint-Andre	[ X ]	[   ]	[   ]	[   ]

>

>

> "Yes" or "No-Objection" positions from 2/3 of non-recused ADs,  
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>

> DISCUSSES AND COMMENTS

> =====

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>   the gap for documentation of the scheme.

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>

>   This document is not the product of an IETF working group.

>

> Document Quality

>

>   The document has undergone extensive review and  
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>

> Personnel

>

>   The Document Shepherd / Responsible Area Director is  
>   Peter Saint-Andre.

>

>

>

## Exhibit A-2

Received: from HQ.Cisco.COM (hq.cisco.com [171.71.68.70])  
by ietf.org (8.8.5/8.8.7a) with SMTP id SAA20466  
for <iesg@IETF.org>; Wed, 7 Oct 1998 18:42:54 -0400 (EDT)  
Received: by HQ.Cisco.COM; Wed, 7 Oct 1998 15:41:42 -0700  
Date: Wed, 7 Oct 1998 15:41:42 -0700  
From: Dan Wing <dwing@Cisco.COM>  
To: MOORE@cs.utk.edu, PAF@swip.net  
CC: DWING@Cisco.COM, jrafferty@worldnet.ATT.NET, iesg@ietf.org,  
masinter@parc.xerox.com  
Message-Id: <981007154142.209cf44b@Cisco.COM>  
Subject: telephone numbers and Transport / Applications Area coordination

SIP, Session Initiation Protocol, ietf-mmusic-sip-09.txt, makes use of telephone numbers which is similar to, but not quite the same as, RFC2303.

I understand that RFC2303 is only intending to work with Internet mail, but with the mailto: URL it seems prudent that SIP's format match RFC2303's format, or RFC2303 be changed.

There is also draft-antti-telephony-url-06.txt.

I haven't brought this up with any of the authors, but it seems prudent that this be addressed by the IESG. Soon (like everything else!).

Thanks,  
-Dan Wing

Received: from tnt.isi.edu (tnt.isi.edu [128.9.128.128])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id NAA18738  
for <iesg@ietf.org>; Mon, 14 Jun 1999 13:28:07 -0400 (EDT)  
Received: from jet.isi.edu (jet.isi.edu [128.9.160.87])  
by tnt.isi.edu (8.8.7/8.8.6) with ESMTP id KAA11346;  
Mon, 14 Jun 1999 10:27:58 -0700 (PDT)  
From: RFC Editor <rfc-ed@ISI.EDU>  
Received: (from rfc-ed@localhost)  
by jet.isi.edu (8.8.7/8.8.6) id KAA01219;  
Mon, 14 Jun 1999 10:27:58 -0700 (PDT)  
Date: Mon, 14 Jun 1999 10:27:58 -0700 (PDT)  
Message-Id: <199906141727.KAA01219@jet.isi.edu>  
To: iesg@ietf.org  
Subject: Informational RFC-to-be: draft-antti-telephony-url-08.txt  
Cc: rfc-ed@ISI.EDU, antti.vaha-sipila@nmp.nokia.com

X-Sun-Charset: US-ASCII

IESG,

This RFC-to-be was submitted to the RFC Editor to be published as  
Informational: draft-antti-telephony-url-08.txt

Two week timeout is initiated (28 June 1999).

URLs for Telephone Calls

This document specifies URL (Uniform Resource Locator) schemes  
terminal in the phone network and the connection types (modes of  
operation) that can be used to connect to that entity. This  
specification covers voice calls (normal phone calls, answering  
machines and voice messaging systems), facsimile (telefax) calls and  
data calls, both for POTS and digital/mobile subscribers.

Sincerely,

Alegre Ramos - USC/ISI  
Request for Comments Documents

Voice: (310) 822-1511 x153  
Fax: (310) 823-6714  
EMAIL: RFC-ED@ISI.EDU

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id RAA06280  
for <iesg@ietf.org>; Fri, 25 Jun 1999 17:44:43 -0400 (EDT)  
Date: Fri, 25 Jun 1999 17:44:53 -0400 (Eastern Daylight Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: Status of Items

Message-ID: <Pine.WNT.3.96.990625171328.-580251D-100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

1. On next Agenda (Ballots sent)

- o IPPM Metrics for Measuring Connectivity [Proposed]  
    <RFC2498>
  - A One-way Delay Metric for IPPM [Proposed]  
        <draft-ietf-ippm-delay-07.txt>
  - A One-way Packet Loss Metric for IPPM [Proposed]  
        <draft-ietf-ippm-loss-07.txt>
  - A Round-trip Delay Metric for IPPM [Proposed]  
        <draft-ietf-ippm-rt-delay-01.txt>
- o Multiprotocol Label Switching Architecture [Proposed]  
    <draft-ietf-mpls-arch-05.txt>
  - MPLS Label Stack Encoding [Proposed]  
        <draft-ietf-mpls-label-encaps-04.txt>
- o IP Tunnel MIB [Proposed]  
    <draft-ietf-ietf-mib-tunnel-mib-06.txt>
- o Virtual Router Redundancy Protocol [Draft]  
    <draft-ietf-vrrp-spec-v2-02.txt>
- o A Link Layer Tunneling Mechanism for Unidirectional Links [Proposed]  
    <draft-ietf-udlr-lltunnel-02.txt>
- o BGP Route Reflection An alternative to full mesh IBGP [Proposed]  
    <draft-ietf-idr-route-reflect-v2-01.txt>
- o Registration Procedures for URL Scheme Names [BCP]  
    <draft-ietf-urlreg-procedures-06.txt>
  - Guidelines for new URL Schemes [Informational]  
        <draft-ietf-urlreg-guide-05.txt>
- o Definitions of Managed Objects for the NBMA Next Hop Resolution Protocol (NHRP) [Proposed]  
    <draft-ietf-ion-nhrp-mib-09.txt>
- o Traffic Flow Measurement: Meter MIB [Proposed]  
    <draft-ietf-rtfm-meter-mib-09.txt>
  - RTFM: Applicability Statement [Informational]  
        <draft-ietf-rtfm-applicability-statement-03.txt>
  - Traffic Flow Measurement: Architecture [Informational]  
        <draft-ietf-rtfm-architecture-07.txt>
  - SRL: A Language for Describing Traffic Flows and Specifying Actions for Flow Groups [Informational]  
        <draft-ietf-rtfm-ruleset-language-06.txt>

- RTFM Working Group - New Attributes for Traffic Flow Measurement [Experimental]
  - <draft-ietf-rtfm-new-traffic-flow-08.txt>
- o Definitions of Managed Objects for the Ethernet-like Interface Types [Proposed]
  - <draft-ietf-hubmib-etherif-mib-v2-04.txt>
- Definitions of Object Identifiers for Identifying Ethernet Chip Sets [Informational]
  - <draft-ietf-hubmib-ether-chipsets-02.txt>
- o Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs) using SMIV2 [Proposed]
  - <draft-ietf-hubmib-mau-mib-v2-04.txt>
- o Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions [Proposed]
  - <draft-ietf-bridge-bridgemib-06.txt>
- o Definitions of Managed Objects for the ADSL Lines [Proposed]
  - <draft-ietf-adslmib-adslinmib-09.txt>

## 2. Protocol Actions with DISCUSS Votes

- |                                                                                               |     |
|-----------------------------------------------------------------------------------------------|-----|
| o Addition of Kerberos Cipher Suites to Transport Layer Security (TLS) [Proposed]             | SEC |
| <draft-ietf-tls-kerb-cipher-suites-03.txt>                                                    |     |
| o A DNS RR for specifying the location of services (DNS SRV) [Proposed]                       | INT |
| <draft-ietf-dnsind-rfc20bis-02.txt>                                                           |     |
| o Router Renumbering for IPv6 [Proposed]                                                      | INT |
| <draft-ietf-ipngwg-router-renum-08.txt>                                                       |     |
| o IP Version 6 Addressing Architecture [Draft]                                                | INT |
| <rfc2373.txt>                                                                                 |     |
| An IPv6 Aggregatable Global Unicast Address Format [Draft]                                    |     |
| <rfc2374.txt>                                                                                 |     |
| o Extension mechanisms for DNS (EDNS0) [Proposed]                                             | INT |
| <draft-ietf-dnsind-edns0-02.txt>                                                              |     |
| o Deliver By SMTP Service Extension [Proposed]                                                | APP |
| <draft-newman-deliver-02.txt>                                                                 |     |
| o Authentication Methods for LDAP [Proposed]                                                  | APP |
| <draft-ietf-ldapext-authmeth-04.txt>                                                          |     |
| Lightweight Directory Access Protocol (v3): Extension for Transport Layer Security [Proposed] |     |
| <draft-ietf-ldapext-ldapv3-tls-05.txt>                                                        |     |
| Using Digest Authentication as a SASL Mechanism [Proposed]                                    |     |
| <draft-leach-digest-sasl-03.txt>                                                              |     |
| o Layer Two Tunneling Protocol 'L2TP' [Proposed]                                              | INT |

- <draft-ietf-pppext-l2tp-16.txt>
- o Multicast-Scope Zone Announcement Protocol (MZAP) [Proposed] OPS  
<draft-ietf-mboned-mzap-03.txt>
- o Structured Field and Namespace for the Identification of Mailing Lists [Proposed] APP  
<draft-chandhok-listid-04.txt>
- o Multicast Address Dynamic Client Allocation Protocol (MADCAP) [Proposed] TSV  
<draft-ietf-malloc-madcap-05.txt>
- o The COPS (Common Open Policy Service) Protocol [Proposed] TSV  
<draft-ietf-rap-cops-06.txt>  
COPS usage for RSVP [Proposed]  
<draft-ietf-rap-cops-rsvp-05.txt>  
RSVP Extensions for Policy Control [Proposed]  
<draft-ietf-rap-rsvp-ext-06.txt>  
Signaled Preemption Priority Policy Element [Proposed]  
<draft-ietf-rap-signaled-priority-03.txt>  
Identity Representation for RSVP [Proposed]  
<draft-ietf-rap-rsvp-identity-03.txt>  
A Framework for Policy-based Admission Control [Informational]  
<draft-ietf-rap-framework-03.txt>
- o IPv6 Jumbograms [Proposed] INT  
<draft-ietf-ipngwg-jumbograms-00.txt>

### 3. READING LIST

- o X.509 Authentication SASL Mechanism APP  
<draft-ietf-ldapext-x509-sasl-01.txt>
  - Note: Continuing discussions with author
  - o DNS extensions to Network Address Translators TSV  
[Informational]  
<draft-ietf-nat-dns-alg-04.txt>
  - o IP Network Address Translator (NAT) Terminology and Considerations [Informational] TSV  
<draft-ietf-nat-terminology-03.txt>
  - o Security Model for Network Address Translator (NAT) Domains [Informational] TSV
  - o Ongoing TCP Research Related to Satellites TSV  
[Informational]  
<draft-ietf-tcpsat-res-issues-09.txt>
  - o Performance Issues in VC-Merge Capable ATM LSRs [Informational] RTG  
<draft-widjaja-mpls-vc-merge-01.txt>
- NOTE: being reviewed by MPLS

- o The "eid" URL Scheme [Informational] APP  
     <draft-finseth-url-00.txt>
- Note: Being reviewed by URLREG
- o Definition of the inetOrgPerson LDAP Object Class APP  
     [Informational]  
     <draft-smith-ldap-inetorgperson-03.txt>
- Note: being reviewed by asid email list
- o URLs for Telephone Calls [Informational] APP  
     <draft-antti-telephony-url-08.txt>
- o A Framework for IP Based Virtual Private Networks INT?  
     [Informational]  
     <draft-gleeson-vpn-framework-01.txt>
- o The SRP MAC Layer Protocol [Informational] ???  
     <draft-tsiang-srp-00.txt>
- o Schema for Representing CORBA Object References in an APP  
     LDAP Directory [Informational]  
     <raft-ryan-corba-schema-01.txt>
- o Schema for Representing Java(tm) Objects in an LDAP APP  
     Directory [Informational]  
     <draft-ryan-java-schema-02.txt>

#### 4. In Last Call

- o GSTN address element extensions in e-mail services Jun  
     28  
     [Proposed]  
     <draft-ietf-fax-fulladdr-06.txt>
- o DNS Extensions to Support IP Version 6 [Proposed] Jun  
     28  
     <draft-ietf-ipngwg-dns-lookups-04.txt>
- o Authentication Mechanisms for ONC RPC [Informational] Jul 6  
     <draft-ietf-oncrpc-auth-06.txt>
- o IPv4 over IEEE 1394 [Proposed] Jul 6  
     <draft-ietf-ip1394-ipv4-15.txt>
- o Applicability Statement for HTTP State Management [BCP] Jul  
     23  
     <draft-iesg-http-cookies-00.txt>  
     HTTP State Management Mechanism [Proposed]  
     <draft-ietf-http-state-man-mec-10.txt>
- o Generic Security Service Application Program Interface Jul 24  
     Version 2, Update 1 [Proposed]  
     <draft-ietf-cat-rfc2078bis-08.txt>  
     Generic Security Service API Version 2: C-bindings  
     [Proposed]  
     <draft-ietf-cat-gssv2-cbind-09.txt>

## 5. Last Call Expired - Waiting for Writeup

	o Distance Vector Multicast Routing Protocol [Historic] <RFC1075>	RTG	May 30
	o The audio/mpeg Type [Proposed] <draft-nilsson-audio-mpeg-01.txt>	APP	Jul 27
Note: TSV ADs reviewing			
	o Directory Schema Listing Procedures [BCP] <draft-ietf-schema-proc-list-01.txt>		Aug 31 APP
	Directory Schema Listing File Names [Informational] <draft-ietf-schema-file-list-01.txt>		
	Directory Schema Listing Meta Data [Informational] <draft-ietf-schema-mime-metadata-01.txt>		
	Requirements for the Initial Release of a Directory Schema Listing Service [Informational] <draft-ietf-schema-rqmts-list-01.txt>		
	A MIME Content-Type for WHOIS [Informational] <draft-ietf-schema-whois-00.txt>		
	MIME Directory Profiles for Listing Whois++ Schema [Informational] <draft-ietf-schema-whoispp-00.txt>		
	A MIME Directory Profile for RWhois 1.5 Schema [Informational] <draft-ietf-schema-rwhois-00.txt>		
	MIME Directory Profile for LDAP Schema [Informational] <draft-ietf-schema-ldap-01.txt>		
	o Calendar attributes for vCard and LDAP [Proposed]		Nov
23	<draft-ietf-calsch-locating-03.txt>	APP	
	o Mobility Support in IPv6 [Proposed] <draft-ietf-mobileip-ipv6-07.txt>	RTG	Jan 7
	o TN3270E Service Location and Session Balancing [Proposed]		Feb
23	<draft-ietf-tn3270e-service-loc-03.txt>	APP	
	o HTTP Extensions Framework [PROPOSED] <draft-frystyk-http-extensions-03.txt>		Feb 26 APP
	o Internet Message Format Standard [Proposed] <draft-ietf-drums-msg-fmt-07.txt>	APP	Mar 4
	o Network Services Monitoring MIB [Proposed] <draft-ietf-madman-netsm-mib-03.txt>		Mar 22 APP
	o Mail Monitoring MIB [Proposed] <draft-ietf-madman-email-mib-03.txt>		Mar 22 APP
	o IP Multicast Routing MIB [Proposed] <draft-ietf-idmr-multicast-routmib-09.txt>		Mar 23 RTG
	Internet Group Management Protocol MIB [Proposed] <draft-ietf-idmr-igmp-mib-09.txt>		
	Protocol Independent Multicast MIB [Experimental] <draft-ietf-idmr-pim-mib-05.txt>		
	o Transition Mechanisms for IPv6 Hosts and routers		Apr 9

	[Proposed]	OPS	
	<draft-ietf-ngtrans-mech-04.txt>		
19	o Assignment Procedures for the URI Resolution using DNS (RFC2168) [BCP]	APP	Apr
	<draft-ietf-urn-net-procedures-02.txt>		
	Resolution of Uniform Resource Identifiers using the Domain Name System [Proposed]		
	<draft-ietf-urn-dns-rds-00.txt>		
	The Naming Authority Pointer (NAPTR) DNS Resource Record [Proposed]		
	<draft-ietf-urn-naptr-rr-02.txt>		
	o Form-based Device Input in HTML [Experimental]	RTG	May 6
	<draft-salsman-www-device-upload-07.txt>		
	o Definitions of Managed Objects for the Virtual Router Redundancy Protocol using SNMPv2 [Proposed]	RTG	Jun 10
	<draft-ietf-vrrp-mib-09.txt>		
	o 5250 Telnet Enhancements [Proposed]	APP	Jun 11
	<draft-ietf-tn3270e-tn5250e-04.txt>		
	o The Multi-Class Extension to Multi-Link PPP [Proposed]		Jun 23
	<draft-ietf-issll-isslow-mcml-06.txt>		
	PPP in a real-time oriented HDLC-like framing [Proposed]		
	<draft-ietf-issll-isslow-rtf-05.txt>		
	Integrated Services Mappings for Low Speed Networks [Proposed]		
	<draft-ietf-issll-isslow-svcmap-08.txt>		
	Providing integrated services over low-bitrate links [Informational]		
	<draft-ietf-issll-isslow-06.txt>		
	o Multicast Listener Discovery (MLD) for IPv6 [Proposed]		Jun 23
	<draft-ietf-ipngwg-mld-02.txt>		INT
IANA Question: refers to IPv6 Router Alert Option			
23	o NHRP for Destinations off the NBMA Subnetwork [Proposed]		Jun
	<draft-ietf-ion-r2r-nhrp-03.txt>	INT	
IANA: IANA Considerations section too vague; who is expert?			
	o Multiprotocol Encapsulation over ATM Adaptation Layer 5 [Proposed]	RTG	Jun 24
	<draft-ietf-ion-multiprotocol-atm-03.txt>		
	Virtual Private Networks Identifier [Proposed]		
	<draft-ietf-ion-vpn-id-01.txt>		

## 6. ON HOLD

- |                                                       |     |
|-------------------------------------------------------|-----|
| o BGP4 MIB [Draft]                                    | RTG |
| <draft-ietf-idr-bgp4-mib-04.txt>                      |     |
| Status: Waiting for implemenetation experience report |     |

- o DHCP Relay Agent Information Option [Proposed]  
    <draft-ietf-dhc-agent-options-05.txt>

INT

Note: Waiting for author to decide on template

## 7. Approved but waiting

- o Binary Labels in the Domain Name System [Proposed]  
    <draft-ietf-dnsind-binary-labels-05.txt>

Note: needs draft-ietf-dnsind-edns0

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
    by ietf.org (8.9.1a/8.9.1a) with SMTP id JAA29844  
    for <iesg@ietf.org>; Mon, 28 Jun 1999 09:45:52 -0400 (EDT)  
Date: Mon, 28 Jun 1999 09:46:03 -0400 (Eastern Daylight Time)  
From: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: DRAFT Agenda for July 1 Telechat  
Message-ID: <Pine.WNT.3.96.990628094534.-492761A-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

\* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \*

INTERNET ENGINEERING STEERING GROUP (IESG)  
Draft Agenda for the July 1, 1999 IESG Teleconference

## 1. Administrivia

- o Roll Call
- o Bash the Agenda
- o Approval of the Minutes
  - June 17

## 2. Protocol Actions

- o IPPM Metrics for Measuring Connectivity [Proposed]

- <RFC2498>
- A One-way Delay Metric for IPPM [Proposed]  
<draft-ietf-ippm-delay-07.txt>
- A One-way Packet Loss Metric for IPPM [Proposed]  
<draft-ietf-ippm-loss-07.txt>
- A Round-trip Delay Metric for IPPM [Proposed]  
<draft-ietf-ippm-rt-delay-01.txt>
- o Multiprotocol Label Switching Architecture [Proposed]  
<draft-ietf-mpls-arch-05.txt>  
MPLS Label Stack Encoding [Proposed]  
<draft-ietf-mpls-label-encaps-04.txt>
- o IP Tunnel MIB [Proposed]  
<draft-ietf-ietf-mib-tunnel-mib-06.txt>
- o Virtual Router Redundancy Protocol [Draft]  
<draft-ietf-vrrp-spec-v2-02.txt>
- o A Link Layer Tunneling Mechanism for Unidirectional Links [Proposed]  
<draft-ietf-udlr-lltunnel-02.txt>
- o BGP Route Reflection An alternative to full mesh IBGP [Proposed]  
<draft-ietf-idr-route-reflect-v2-01.txt>
- o Registration Procedures for URL Scheme Names [BCP]  
<draft-ietf-urlreg-procedures-06.txt>  
Guidelines for new URL Schemes [Informational]  
<draft-ietf-urlreg-guide-05.txt>
- o Definitions of Managed Objects for the NBMA Next Hop Resolution Protocol (NHRP) [Proposed]  
<draft-ietf-ion-nhrp-mib-09.txt>
- o Traffic Flow Measurement: Meter MIB [Proposed]  
<draft-ietf-rtfm-meter-mib-09.txt>  
RTFM: Applicability Statement [Informational]  
<draft-ietf-rtfm-applicability-statement-03.txt>  
Traffic Flow Measurement: Architecture [Informational]  
<draft-ietf-rtfm-architecture-07.txt>  
SRL: A Language for Describing Traffic Flows and Specifying Actions for Flow Groups [Informational]  
<draft-ietf-rtfm-ruleset-language-06.txt>  
RTFM Working Group - New Attributes for Traffic Flow Measurement [Experimental]  
<draft-ietf-rtfm-new-traffic-flow-08.txt>
- o Definitions of Managed Objects for the Ethernet-like Interface Types [Proposed]  
<draft-ietf-hubmib-etherif-mib-v2-04.txt>  
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<draft-ietf-hubmib-ether-chipsets-02.txt>
- o Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs) using SMIV2 [Proposed]

- o <draft-ietf-hubmib-mau-mib-v2-04.txt>
- o Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions [Proposed]
- o <draft-ietf-bridge-bridgemib-06.txt>
- o Definitions of Managed Objects for the ADSL Lines [Proposed]
- o <draft-ietf-adslmib-adslmib-09.txt>

### 3. Working Group Actions

- o Border Gateway Multicast Protocol (bgmp) #2
- o Secure Network Time Protocol (stime) #1
- o Networks in the Small (nits) #1
- o IP over IEEE 1394 (ip1394) - RECHARTER
- o Dynamic Host Configuration (dhc) - RECHARTER
- o Point-to-Point Extensions (pppext) - RECHARTER
- o Policy Framework (policy) - RECHARTER

### 4. Working Group Documents

- o DNS extensions to Network Address Translators [Informational] TSV
- o <draft-ietf-nat-dns-alg-04.txt>
- o IP Network Address Translator (NAT) Terminology and Considerations [Informational] TSV
- o <draft-ietf-nat-terminology-03.txt>
- o Security Model for Network Address Translator (NAT) Domains [Informational] TSV
- o <draft-ietf-nat-security-01.txt>
- o Ongoing TCP Research Related to Satellites [Informational] TSV
- o <draft-ietf-tcpsat-res-issues-09.txt>

### 5. Individual Submissions (non-wg)

- o URLs for Telephone Calls [Informational] APP
- o <draft-antti-telephony-url-08.txt>
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- o <draft-gleeson-vpn-framework-01.txt>
- o The SRP MAC Layer Protocol [Informational] ???
- o <draft-tsiang-srp-00.txt>
- o Schema for Representing CORBA Object References in an LDAP Directory [Informational] APP
- o <raft-ryan-corba-schema-01.txt>
- o Schema for Representing Java(tm) Objects in an LDAP APP

Directory [Informational]  
<draft-ryan-java-schema-02.txt>

## 6. Working Group News We Can Use

## 7. IAB News we can use

## 8. Management Issues

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id QAA27765;  
Wed, 30 Jun 1999 16:43:19 -0400 (EDT)  
Date: Wed, 30 Jun 1999 16:43:21 -0400 (Eastern Daylight Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
cc: mbeaulie@ietf.org  
Subject: IESG Telechat Package for July 1  
Message-ID: <Pine.WNT.3.96.990630151350.-566785A-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

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- [Proposed]
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7. IAB News we can use

8. Management Issues

DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \*

INTERNET ENGINEERING STEERING GROUP (IESG)

June 17, 1999

ATTENDEES

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Baker, Fred / Cisco Systems  
Bradner, Scott / Harvard  
Bush, Randy / Verio  
Carpenter, Brian / IBM (IAB Liaison)  
Coltun, Rob / Fore Systems  
Faltstrom, Patrik / Swipnet  
Freed, Ned / Innosoft (IAB Liaison)  
Marine, April / Internet Engines  
Moore, Keith / U of Tennessee  
Narten, Thomas / IBM  
Nordmark, Erik / Sun  
Oran, Dave / Cisco  
Paxson, Vern / ACIRI/ICSI  
Reynolds, Joyce K. / ISI (IANA Liaison)  
Schiller, Jeff / MIT

Regrets

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Leech, Marcus / Nortel  
Wijnen, Bert / IBM

Minutes

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1. The minutes of the June 3 Teleconference were approved. Steve to place in public archives.
2. The IESG approved publication of RTP Payload Format for PureVoice(tm) Audio <draft-mckay-qcelp-03.txt> as a Proposed Standard. Steve to send announcement.
3. The IESG approved publication of An LDAP Control and Schema for Holding Operation Signatures <draft-ietf-ldapext-sigops-04.txt> as an Experimental Protocol. Steve to send announcement.
4. The IESG approved publication of IP Network Address Translator (NAT) Terminology and Considerations

<draft-ietf-nat-terminology-03.txt> as an Informational document.  
Steve to send announcement.

5. The IESG approved publication of Job Submission Protocol Mapping Recommendations for the Job Monitoring MIB  
<draft-ietf-printmib-job-protomap-04.txt> as an Informational document. Steve to send announcement.
6. The IESG approved publication of FYI on Questions and Answers  
Answers to Commonly asked New Internet User Questions  
<draft-ietf-uswg-fyi4-bis-01.txt> as an Informational document.  
Steve to send announcement.
7. The IESG approved publication of Using RPSL in Practice  
<draft-ietf-rps-appl-rpsl-06.txt,.ps> as an Informational document.  
Steve to send announcement.

Ballot: IPPM Metrics for Measuring Connectivity to Proposed  
Standard

-----

Note: This is a multi-document set.

Last Call to expire on: June 8, 1999

Note to IESG:

Vern and I will be producing a document that defines how the IETF should evaluate implementations of metrics of this type when they come up for advancement to Draft Status. In brief we will say that two implementations should be considered "interoperable" if separate measurements taken by the implementations produce the same results when applied to the same situation. This is the same sort of thing that was done for MIBs. (RFC 2438)

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[ ]	[ ]	[ ]
Scott Bradner	[ X ]	[ ]	[ ]	[ ]
Randy Bush	[ X ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ X ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ X ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved publication of the following documents as Proposed Standards:

- o IPPM Metrics for Measuring Connectivity <RFC2498>
- o A One-way Delay Metric for IPPM <draft-ietf-ippm-delay-07.txt>
- o A One-way Packet Loss Metric for IPPM <draft-ietf-ippm-loss-07.txt>
- o A Round-trip Delay Metric for IPPM <draft-ietf-ippm-rt-delay-01.txt>

These documents are the product of the IP Performance Metrics Working Group. The IESG contact persons are Scott Bradner and Vern Paxson.

## Technical Summary

These four documents describe metrics for the measurement of some of the characteristics of IP networks.

The document "IPPM Metrics for Measuring Connectivity" defines a series of metrics for one and two-way connectivity between a pair of Internet hosts.

The documents "A One-way Delay Metric for IPPM" and "A Round-trip Delay Metric for IPPM" define metrics for one- and two-way delay of packets across Internet paths.

And the document "A One-way Packet Loss Metric for IPPM" defines a metric for one-way packet loss across Internet paths.

All of these metrics are designed to conform to the notions introduced and discussed in the IPPM Framework document, RFC 2330. The metrics are designed to promote an effort that will maximize an accurate common understanding by Internet users and Internet providers of the performance and reliability both of end- to-end paths through the Internet and of specific 'IP clouds' that comprise portions of those paths.

## Working Group Summary

The working group supported the publication of these documents.

## Protocol Quality

The documents were reviewed for the IESG by Scott Bradner

## Note to RFC Editor:

RFC 2498 will have to be republished after editing out the references to the fact that it was published as an Experimental RFC.

## Ballot: Multiprotocol Label Switching Architecture to Proposed Standard

-----

Note: This is a multi-document set

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ X ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ X ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ X ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ X ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved publication of the following Internet-Drafts as Proposed Standards:

- o Multiprotocol Label Switching Architecture <draft-ietf-mpls-arch-05.txt>
- o MPLS Label Stack Encoding <draft-ietf-mpls-label-encaps-04.txt>

These documents are the product of the Multiprotocol Label Switching Working Group. The IESG contact persons are Rob Coltun and Dave Oran.

### Technical Summary

This document describes the overall architecture of MPLS. It defines the basic concepts of MPLS and establishes the elemental terminology. It defines label operations and label semantics. It defines strategies for such things as label distribution, and encapsulation. Finally it describes potential applications of MPLS.

The document does not define a protocol directly, but it is anticipated that several protocols will be developed and/or modified in order to support the architecture defined herein. This document

is intended to serve as a basis for making design choices for those anticipated protocols.

## Working Group Summary

During the development of MPLS many good ideas came forward. Where approaches competed, there were times where application needs demanded that multiple approaches be incorporated in the architecture. At other points difficult choices had to be made for the sake of interoperability. This document captures the decisions of the workgroup and thus has served as a vehicle to both achieve and document workgroup consensus.

## Protocol Quality

These drafts have been reviewed by Rob Coltun. There are interoperable implementations of a number of the protocols that constitute the MPLS suite of protocols (which have yet to be issued as RFCs).

This document exists to improve the protocol quality of protocols built or modified to implement MPLS. It represents a thorough professional job on the part of its authors and has captured the technical efforts of the workgroup. But ultimately its quality will be judged by the protocols that proceed from it.

=====

Comment:

Marcus: With a typographical nit:

In Security Considerations:

The MPLS generic encapsulation inserts a shim between the data link layer header and the network layer header. This may cause such any such security procedures to fail.

Scott:

draft-ietf-mpls-arch-05.txt  
MUST used but not defined

draft-ietf-mpls-label-encaps-04.txt  
are there any IPR issues here? (there is an IPR pointer in draft-ietf-mpls-arch-05.txt)

## Ballot: IP Tunnel MIB to Proposed Standard

-----

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ X ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ X ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ X ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ X ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'IP Tunnel MIB' <draft-ietf-ietf-ifmib-tunnel-mib-05.txt> as a Proposed Standard. This document is the product of the Interfaces MIB Working Group. The IESG contact persons are Bert Wijnen and Thomas Narten.

### Technical Summary

This document describes a Management Information Base (MIB) used for managing tunnels of any type over IPv4 networks, including GRE, IP-in-IP, Minimal Encapsulation (RFC 2004), L2TP, PPTP, L2F, and IPv6-in-IPv4 tunnels. This MIB supports only tunnels over IPv4 networks.

Extension MIBs may be designed for managing protocol-specific objects (e.g., there is a proposed ID for managing L2TP tunnels that is compatible with and complements this MIB). Likewise, extension MIBs may be designed for managing security-specific objects (e.g., IPsec), traffic conditioner objects (e.g., for Differentiated Services), etc.

#### Working Group Summary

During the Last Call, it was pointed out that the MIB did not support IPv6. After some discussion, it was decided not to address IPv6 support in this document, but leave that as a future work item for a separate document. In the meantime, a design team has been formed (<http://www.ops.ietf.org/ipv6mib-charter.html>) to study the question of how to support IPv6 in MIBs in the general case.

#### Protocol Quality

This document has been reviewed for the IESG by Thomas Narten, Erik Nordmark and Bert Wijnen.

=====

#### DISCUSS:

Dave: I just want an update on where we stand on the design team and efforts to get IPV6 addresses in MIBs handled. If this work has concluded with a reasonable recommendation, we can recycle this MIB as a test case; if not then it's unfair to hold up this one document and I'll change my vote to No-Ob automatically.

## Ballot: Virtual Router Redundancy Protocol to Draft Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ X ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ X ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'Virtual Router Redundancy Protocol' <draft-ietf-vrrp-spec-v2-03.txt> as a Draft Standard. This document obsoletes RFC2338, currently a Proposed Standard.

This document is the product of the Virtual Router Redundancy Protocol Working Group. The IESG contact persons are David Oran and Rob Coltun.

### Technical Summary

This protocol provides a mechanism for hosts to find and use a default router without any of Router Discovery, DHCP, or per site configuration. This default router mechanism allows for redundancy and load sharing. It also works properly with ICMP redirects for those sites where that technique is useful.

### Working Group Summary

The working group strongly supported advancement of this protocol to Draft Standard. There was no significant dissent.

## Protocol Quality

Rob Coltun has reviewed this spec for the IESG.

There are eight independent VRRP implementations. They are documented at:

<http://www.ietf.org/IESG/vrrp-implementations.txt>

VRRP interoperability testing was done at the UNH Interoperability Laboratory on February 23 and 24, 1999. Six vendors attended. Testing included:

- 1) Protocol conformance against UNH's VRRP test software
- 2) Every implementation tested with every implementation (pair wise)
- 3) All implementations running VRRP together on the same LAN

The result of the testing was that all features worked. The only problems found were minor and related to detecting configuration errors. The current draft clarifies these issues.

## Ballot: A Link Layer Tunneling Mechanism for Unidirectional Links to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ X ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ X ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ X ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ X ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'A Link Layer Tunneling Mechanism for Unidirectional Links' <draft-ietf-udlr-lltunnel-02.txt> as a Proposed Standard. This document is the product of the UniDirectional Link Routing Working Group. The IESG contact persons are David Oran and Rob Coltun.

### Technical Summary

A link-layer tunneling mechanism for unidirectional links describes a mechanism to emulate bi-directional connectivity between nodes that are directly connected by a unidirectional link. The "receiver" uses a link layer tunneling mechanism to forward datagrams to "feeds" over a bi-directional network. As it is implemented at link layer, other protocols than IP may also use this tunneling mechanism.

### Working Group Summary

The mechanism has evolved over some time and there is currently no dissent about the direction the evolution of the mechanism has taken. There are a few commercial applications of the mechanism.

## Protocol Quality

This spec has been reviewed by Rob Coltun for the IESG. There are multiple implementations.

=====

## DISCUSS:

Thomas: I have a number of editorial and other comments, but the real issue is that this document uses GRE as its tunnelling protocol. GRE is not on the Standards Track, and IMO needs a fair bit of work in order to make it suitable to be put on Standards Track. The GRE RFCs are extremely sketchy, with a number of fields that are not really defined.

Other issues:

1) uses MUST language without definition.

2)

- > Tunnel Type (8 bits): tunneling protocol supported by peer,
- > corresponds to the type of encapsulation used by receivers to
- > encapsulate packets which are tunneled:
- > 47 = GRE [rfc1701] (recommended)
- > x = any other tunneling supporting the UDL MAC packets.

What are legit values of x? Seems undefined. IANA considerations needed?

3) "DTCP announcement" multicast group is 224.0.1.124.

Seems like a link-local address would be more appropriate (224.0.0.x).

4)

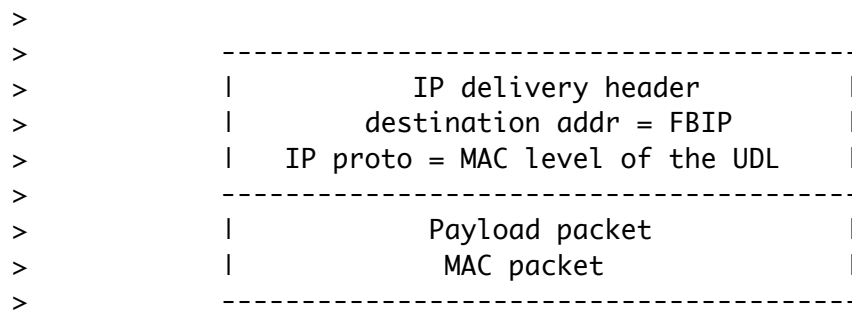
- > The Generic Routing Encapsulation (GRE) [rfc1701] suits our
- > requirements because it specifies a protocol for encapsulating
- > arbitrary packets within IP as the delivery protocol. Alternatively,
- > we can also encapsulate directly a MAC level packet within an IP
- > datagram.

It isn't immediately clear to me how one uses GRE to carry link-layer packets. Are the details fully specified?

5)

> 7.2. Encapsulation of UDL MAC level packets

>  
> An alternative is to encapsulate the MAC level packet within IP. The  
> protocol field in the IP datagram is then set to the MAC level type  
> of the unidirectional link. Figure 5 presents the entire encapsulated  
> packet.



> Figure 5: Encapsulated packet

"IP proto = MAC level of the UDL" seems like a bad idea. There are only 8 bits in this field and half the name space has already been used up. I don't know that we want to encourage using IP protocol types to identify unidirectional link-layer types.

I have more editorial comments, but the above are the major technical issues.

Scott: I agree with Thomas's process issue about GRE (which this ID has as the recommended type of encapsulation)

history - I tried to get Tony Li to put GRE on the standards track when he 1st did it but he refused citing the "turkey factor" (his words) - I talked to him again when the v6 tunneling came up and some people suggested just using GRE instead - at that time (if memory serves) he saw fine for it to be stds track & I think that Cisco specifically said they had no IPR issues with the use of GRE

Ballot: BGP Route Reflection An alternative to full mesh IBGP  
to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[   ]	[   ]	[   ]
Scott Bradner	[   ]	[   ]	[   ]	[   ]
Randy Bush	[   ]	[ X ]	[   ]	[   ]
Rob Coltun	[ X ]	[   ]	[   ]	[   ]
Patrik Faltstrom	[   ]	[   ]	[   ]	[   ]
Marcus Leech	[   ]	[   ]	[   ]	[   ]
April Marine	[   ]	[   ]	[   ]	[   ]
Keith Moore	[   ]	[   ]	[   ]	[   ]
Thomas Narten	[   ]	[   ]	[   ]	[   ]
Erik Nordmark	[   ]	[   ]	[   ]	[   ]
Dave Oran	[ X ]	[   ]	[   ]	[   ]
Vern Paxson	[   ]	[   ]	[   ]	[   ]
Jeff Schiller	[   ]	[   ]	[   ]	[   ]
Bert Wijnen	[   ]	[   ]	[   ]	[   ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'BGP Route Reflection An alternative to full mesh IBGP' <draft-ietf-idr-route-reflect-v2-01.txt> as a Proposed Standard. This document is the product of the Inter-Domain Routing Working Group. The IESG contact persons are David Oran and Rob Coltun.

#### Technical Summary

The Border Gateway Protocol is an inter-autonomous system routing protocol designed for TCP/IP internets. Currently in the Internet BGP deployments are configured such that that all BGP speakers within a single AS must be fully meshed so that any external routing information must be re-distributed to all other routers within that AS. This represents a serious scaling problem that has been well documented with several alternatives proposed.

This document describes the use and design of a method known as "Route Reflection" to alleviate the the need for "full mesh" IBGP.

## Working Group Summary

This protocol has been experimental for some time despite its use as a de-facto standard. This version of the draft is an updated version of the experimental RFC. There were several important issues raised a couple of meetings ago as documented in an ID. The essential aspects of these issues have been folded into this document.

## Protocol Quality

This spec has been reviewed for the IESG by Rob Coltun. There are several interoperable implementations. Route reflectors are a fundamental component in the routing infrastructure in ISP backbones.

## Ballot: Registration Procedures for URL Scheme Names to BCP

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ X ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ X ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved publication of the following Internet-Drafts:

- o Registration Procedures for URL Scheme Names  
<draft-ietf-urlreg-procedures-06.txt> as a BCP.
- o Guidelines for new URL Schemes <draft-ietf-urlreg-guide-05.txt> as an  
Informational RFC.

These documents are the product of the Uniform Resource Locator  
Registration Procedures Working Group. The IESG contact persons are  
Keith Moore and Patrik Faltstrom.

## Technical Summary

The paper specifies how to register a new scheme for URL's, and more  
especially how scheme names are allocated. A registration process is  
needed to ensure that the names of all such new schemes are  
guaranteed not to collide. Further, the registration process ensures

that URL schemes intended for widespread, public use are developed in an orderly, well-specified, and public manner.

#### Working Group Summary

There were some discussions about if this document should also include definitions for other trees than the IETF one. The discussion was long, and no consensus could be reached. A decision was then made to only talk about the IETF tree, and then "Alternative trees", and consensus was reached.

#### Protocol Quality

Patrik Faltstrom has reviewed the paper for the IESG.

Ballot: Definitions of Managed Objects for the NBMA Next Hop  
Resolution Protocol (NHRP) to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ X ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ X ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'Definitions of Managed Objects for the NBMA Next Hop Resolution Protocol (NHRP)' <draft-ietf-ion-nhrp-mib-09.txt> as a Proposed Standard.

This document is the product of the Internetworking Over NBMA Working Group. The IESG contact persons are Erik Nordmark and Thomas Narten.

#### Technical Summary

This memo defines a MIB for the Next Hop Resolution Protocol (NHRP) as defined in RFC 2332. The MIB defines three groups, a client group (implemented only by clients), a server group (implemented only by servers) and a general group that both clients and servers implementing NHRP support.

#### Working Group Summary

This document was advanced by the WG more than a year ago. However, several iterations with the MIB doctor were needed to get the document

into its final form. There were no issues raised during the last call.

#### Protocol Quality

This specification has been reviewed for the IESG by Thomas Narten, Bert Wijnen, and Juergen Schoenwaelder.

## Ballot: Traffic Flow Measurement: Meter MIB to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ X ]	[ ]	[ ]
Randy Bush	[ ]	[ X ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ X ]	[ ]	[ ]
Marcus Leech	[ ]	[ X ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ X ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ X ]	[ ]
Erik Nordmark	[ ]	[ X ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ X ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'Traffic Flow Measurement: Meter MIB' <draft-ietf-rtfm-meter-mib-09.txt> as a Proposed Standard. This document obsoletes RFC2064, currently an Experimental RFC.

In the same action, the IESG approved publication of:

- o RTFM: Applicability Statement  
<draft-ietf-rtfm-applicability-statement-03.txt> as an Informational RFC.
- o Traffic Flow Measurement: Architecture  
<draft-ietf-rtfm-architecture-07.txt> as an Informational RFC. This document obsoletes RFC2063, currently an Experimental RFC.
- o SRL: A Language for Describing Traffic Flows and Specifying Actions for Flow Groups <draft-ietf-rtfm-ruleset-language-06.txt> as an Informational RFC.

- o RTFM Working Group - New Attributes for Traffic Flow Measurement  
<draft-ietf-rtfm-new-traffic-flow-08.txt> as an Experimental RFC.

These documents are the product of the Realtime Traffic Flow Measurement Working Group. The IESG contact persons are Scott Bradner and Vern Paxson.

## Technical Summary

The RTFM MIB provides mechanisms for defining traffic flows seen at a monitoring point such as a router for purposes of collecting accounting information. Flows can be defined in a general fashion. Accounting is done on a per-packet basis using programs ("rule sets") written in an opcode-level specialized language, or, alternatively, in SRL, a higher level domain-specific language that compiles into RTFM opcodes. The rule sets support selective accounting and data reduction. The architecture includes mechanisms for obtaining consistent accounting snapshots within a router, and for switching to more coarse-grained accounting during periods of excessive accounting load.

## Working Group Summary

There is good working group consensus for the document set. The documents reflect a number of Last Call comments.

## Protocol Quality

The documents were reviewed for the IESG by Scott Bradner and Vern Paxson. There are several implementations.

=====

Bert: Needs MIB review

Ballot: Definitions of Managed Objects for the Ethernet-like  
Interface Types to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ X ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft Definitions of Managed Objects for the Ethernet-like Interface Types <draft-ietf-hubmib-etherif-mib-v2-04.txt> as a Proposed Standard. This document obsoletes RFC2358, currently a Proposed Standard.

The IESG also approved the Internet-Draft Definitions of Object Identifiers for Identifying Ethernet Chip Sets <draft-ietf-hubmib-ether-chipsets-02.txt> as an Informational RFC.

These documents are the product of the Ethernet Interfaces and Hub MIB Working Group. The IESG contact persons are Bert Wijnen and Randy Bush.

#### Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community.

This memo obsoletes RFC 2358 ''Definitions of Managed Objects for the Ethernet-like Interface Types''. This memo extends that specification by including management information useful for the management of 1000 Mb/s and full-duplex Ethernet interfaces.

Ethernet technology, as defined by the 802.3 Working Group of the IEEE, continues to evolve, with scalable increases in speed, new types of cabling and interfaces, and new features. This evolution may require changes in the managed objects in order to reflect this new functionality. This document, as with other documents issued by this working group, reflects a certain stage in the evolution of Ethernet technology. In the future, this document might be revised, or new documents might be issued by the Ethernet Interfaces and Hub MIB Working Group, in order to reflect the evolution of Ethernet technology.

#### Working Group Summary

These documents represent the consensus of the HUBMIB WG.

#### Protocol Quality

These documents were reviewed for the IESG by Shawn Routhier.

Ballot: Definitions of Managed Objects for IEEE 802.3 Medium  
Attachment Units (MAUs) using SMIV2 to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ X ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs) using SMIV2' <draft-ietf-hubmib-mau-mib-v2-04.txt> as a Proposed Standard. This document is the product of the Ethernet Interfaces and Hub MIB Working Group. The IESG contact persons are Bert Wijnen and Randy Bush.

#### Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. This memo obsoletes RFC 2239, ''Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs) using SMIV2''. This memo extends that specification by including management information useful for the management of 1000 Mb/s MAUs.

Ethernet technology, as defined by the 802.3 Working Group of the IEEE, continues to evolve, with scalable increases in speed, new types of cabling and interfaces, and new features. This evolution may require changes in the managed objects in order to reflect this

new functionality. This document, as with other documents issued by this working group, reflects a certain stage in the evolution of Ethernet technology. In the future, this document might be revised, or new documents might be issued by the Ethernet Interfaces and Hub MIB Working Group, in order to reflect the evolution of Ethernet technology.

#### Working Group Summary

This document represents the consensus of the HUBMIB WG.

#### Protocol Quality

The document was reviewed for the IESG by Shawn Routhier.

Ballot: Definitions of Managed Objects for Bridges with  
Traffic Classes, Multicast Filtering and Virtual LAN  
Extensions to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ X ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions' <draft-ietf-bridge-bridgemib-06.txt> as a Proposed Standard. This document is the product of the Bridge MIB Working Group. The IESG contact persons are Bert Wijnen and Randy Bush.

## Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP based internets. In particular it defines objects for managing MAC bridges based on the IEEE 802.1D-1998 MAC Bridges and IEEE 802.1Q-1998 Virtual LAN (VLAN) standards for bridging between Local Area Network (LAN) segments.

Provisions are made for support of transparent bridging. Provisions are

also made so that these objects apply to bridges connected by subnetworks other than LAN segments. This memo also includes several MIB modules in a manner that is compliant to the SMIV2 [V2SMI].

#### Working Group Summary

This document represents the consensus of the BRIDGE WG.

#### Protocol Quality

The document was reviewed for the IESG by Dave Harrington.

Ballot: Definitions of Managed Objects for the ADSL Lines to  
Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ X ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'Definitions of Managed Objects for the ADSL Lines' <draft-ietf-adslmib-adslmlinemib-09.txt> as a Proposed Standard. This document is the product of the ADSL MIB Working Group. The IESG contact persons are Bert Wijnen and Randy Bush.

#### Technical Summary

This document defines a standard SNMP MIB for ADSL lines based on the ADSL Forum standard data model [9]. The ADSL standard describes ATU-C and ATU-R as two sides of the ADSL line. This MIB covers both ATU-C and ATU-R agent's perspectives. Each instance defined in the MIB represents a single ADSL line.

It should be noted that the ADSL Forum Network Management Working Group provided input towards the content of this document.

## Working Group Summary

This document represents the consensus of the ADSLMIB WG.

## Protocol Quality

The document was reviewed for the IESG by Jeff Johnson and Bert Wijnen.



## Border Gateway Multicast Protocol (bgmp)

---

Current Status: Proposed Working Group

### Chair(s):

Bill Fenner <fenner@research.att.com>

Brad Cain <bcain@nortelnetowrks.com>

### Routing Area Director(s):

David Oran <oran@cisco.com>

Rob Coltun <rcoltun@siara.com>

### Routing Area Advisor:

Rob Coltun <rcoltun@siara.com>

### Mailing Lists:

General Discussion: [bgmp@catarina.usc.edu](mailto:bgmp@catarina.usc.edu)

To Subscribe: [majordomo@catarina.usc.edu](mailto:majordomo@catarina.usc.edu)

In Body: [subscribe bgmp](#)

Archive: <ftp://catarina.usc.edu/pub/bgmp/mail-archive/>

### Description of Working Group:

As IP multicast is being more widely deployed and used, the existing multicast routing algorithms have demonstrated several limitations which make them unsuitable for deployment globally or among multiple provider domains. Protocols like DVMRP and PIM Dense Mode that rely on broadcasting and pruning leave state in parts of the network that are not on the multicast delivery tree. Protocols like CBT and PIM Sparse Mode use a centralized resource to learn of multicast sources. Service providers are reluctant to maintain state for multicast groups that have no receivers in their domain or use a centralized resource in another domain that they cannot control.

BGMP is a scalable multicast routing protocol which addresses these problems. Like CBT and PIM Sparse Mode, BGMP chooses a global root for a delivery tree. However, the root is a domain, not a single router, so if there is any path available to the domain connectivity can be maintained. BGMP builds a bidirectional, shared tree of domains. Similarly to the unicast EGP/IGP split, BGMP is used as the inter-domain or external protocol, while domains can run any multicast IGP internally (such as CBT or PIM Sparse Mode), and can build source-specific shortest-path distribution branches to supplant the shared tree where needed.

The BGMP working group is chartered to complete the protocol specification and follow it through the Internet standards track. It will also help to design a transition mechanism from MSDP (the Multicast Source Distribution Protocol, an interim interdomain solution that is unlikely to scale for the long term) to Internet-wide BGMP.

#### Goals and Milestones:

#### Goals and Milestones:

Jul 99	First WG meeting.
Nov 99	Develop security portion of spec
Nov 99	Evaluate forwarding rules and transient behavior under a wide range of topologies under simulation
Nov 99	Resolve multi-access LAN forwarding mechanisms
Nov 99	Evaluate interoperability with multicast IGPs in more detail and identify any relevant optimizations and/or implementation issues.
Nov 99 traceroute)	Consider monitoring and measurement (e.g. multicast and evaluate support for existing and/or new monitoring and measurement tools and protocols.
Mar 00	Produce revised protocol specification based upon simulations and evaluations
Mar 00	Produce initial version of MIB
Mar 00	Design a transition architecture from PIM-SM/MSDP to BGMP
Jul 00	Guide the development of a reference implementation
Jul 00	Oversee interoperability experiments
Jul 00	Submit final version of protocol specification Internet Draft
Nov 00	Finalize MIB
Nov 00	Produce applicability document

## Secure Network Time Protocol (stime)

---

Current Status: Proposed Working Group

### Chair(s):

Tim Polk <wpolk@nist.gov>  
Patrick Cain <pcain@bbn.com>

### Security Area Director(s):

Jeffrey Schiller <jis@mit.edu>  
Marcus Leech <mleech@nortel.ca>

### Security Area Advisor:

Marcus Leech <mleech@nortel.ca>

### Mailing Lists:

General Discussion: [ietf-stime@stime.org](mailto:ietf-stime@stime.org)  
To Subscribe: [ietf-stime-request@stime.org](mailto:ietf-stime-request@stime.org)  
In Body: (un)subscribe  
Archive: send e-mail to [ietf-stime-request@stime.org](mailto:ietf-stime-request@stime.org) with  
'index' in body

### Description of Working Group:

For trust models to be truly portable across the Internet, transactions must be anchored so they are comparable. The one shared commodity that can be widely agreed upon is time, and the ability to authenticate the source of the time can assist in providing such portability in trust. The ability to securely obtain time from authenticated sources is thus becoming a key factor in security and non-repudiation.

Current IETF protocols address the distribution of time, and there is also a project for the generation of cryptographically protected timestamps. Existing approaches to distributing time are vulnerable to external attack and tampering, as these do not take advantage of advances in public key infrastructure and cryptographic methods, and require distribution of cryptographic keys via non-scalable out-of-band means. Securing time distribution using PKI mechanisms allows the process to scale and minimizes risk.

The purpose of this working group is to define the message formats and protocols - specifically, modifications to the existing Network Time Protocol (NTP) - which are necessary to support the authenticated distribution of time for the Internet. The working group will be chartered for a period of 12 months to meet this goal. Utilization of previous research in this area is expected.

Work will concentrate on the Internet-based NTP, to be enhanced with the addition of public-key based authentication and security. The working group expects to enhance NTP by way of occasional "setup" interchanges between client and time server to establish a shared secret, followed by normal NTP interchanges secured via the shared secret. The output of the working group is expected to be a standards-track document.

Goals and Milestones:

Jul 99 as	Submit 3rd draft of Authentication Scheme Extensions to NTP an I-D
Nov 99 as	Submit 4th draft of Authentication Scheme Extensions to NTP an I-D
Mar 00	Submit Authentication Scheme Extensions to NTP to IESG for consideration as an RFC

## Networks in the Small - aka Home Networks (nits)

---

Current Status: Proposed Working Group

### Chair(s):

Erik Guttman <erik.guttman@sun.com>

Stuart Cheshire <cheshire@cs.stanford.edu>

### Internet Area Director(s):

Thomas Narten <narten@raleigh.ibm.com>

Erik Nordmark <nordmark@eng.sun.com>

### Internet Area Advisor:

Thomas Narten <narten@raleigh.ibm.com>

### Mailing Lists:

General Discussion: nits@merit.edu

To Subscribe: nits-request@merit.edu

Archive: <ftp://ftp.ietf.org/ietf-mail/archive/nits>

### Description of Working Group:

At the Minneapolis meeting (3/99), a BOF was held to explore the issues of home networking. The goal of the BOF was to discuss how Networks in the Small (e.g., Home Networks) can and should work and to determine if there is standards work to be done. The overall theme was what needs to be done to make plug-and-play really work in an IP environment. As a comparison point, Appletalk, IPX & NetBIOS all just work with no manual configuration of individual nodes. This isn't the case with IP where either manual configuration is needed or servers must be present (e.g., DHCP, DNS, etc.). Home networks include environments where the presence of servers cannot be assumed. However, Appletalk, IPX and NetBIOS do not scale to larger environments, and NITs solutions will need to transition to and coexist with larger environments in a reasonable fashion.

This WG will study the requirements for "home networking". Home networks can include (but are not limited to) environments where neither DNS servers nor DHCP servers are present. The WG will also survey existing protocols that address the problem of autoconfiguration, with the aim of understanding whether existing IP protocols are adequate to solve the needs for autoconfiguration in the "home" environment, or whether additional protocols are needed.

This WG will produce two informational documents. The first describes the requirements for the configuration information and services a node

needs in order to fully participate on home networks and/or the Internet at large. The second details a 'profile' specifying which protocols specifically satisfy the requirements outlined in the first document. If it is determined that no existing standard protocol fulfills the requirements, or that existing protocols are insufficient or inadequate, the profile may specify that a new protocol is required or recommend a change to an existing standard to apply to the NITS environment.

This WG will not develop new protocols. In the event that protocol work is deemed necessary, a followup WG will be chartered.

#### Goals and Milestones:

Jul 99	Produce initial requirements draft
Dec 99	Submit requirements draft to IESG for publication as an RFC
Dec 99	Produce profile for NITS support document
Mar 00	Submit profile for NITS support document for publication
Mar 00	Recharter or shutdown.

## IP Over IEEE 1394 (ip1394)

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Current Status: Active Working Group (RECHARTER)

### Chair(s):

Tony Li <tony1@home.net>  
Myron Hattig <myron.hattig@intel.com>

### Internet Area Director(s):

Thomas Narten <narten@raleigh.ibm.com>  
Erik Nordmark <nordmark@eng.sun.com>

### Internet Area Advisor:

Erik Nordmark <nordmark@eng.sun.com>

### Mailing Lists:

General Discussion: ip1394@mailbag.intel.com  
To Subscribe: listserv@mailbag.intel.com  
In Body: subscribe (or unsubscribe) ip1394  
Archive: listserv@mailbag.intel.com. In body, get ip1394

LOGyymm

### Description of Working Group:

The IP/1394 WG formed in the summer of 1997 after a single BOF. Our goal is to enable TCP/IP over IEEE 1394 in devices with a wide range of capabilities. Example devices are network-devices such as PCs, as well as, devices such as cameras, VCRs, and TVs, which are not traditionally networked. The WG expects these IP/1394 devices to communicate with hosts across the global Internet and within a single home Intranet.

IEEE 1394 is a family of related documents: IEEE Std 1394-1995, the only formally approved IEEE 1394 standard, IEEE P1394a, a supplement to the original that contains corrections and enhancements, IEEE P1394b, an ongoing supplement that defines higher data rates and longer distances over additional

media types, and IEEE P1394.1, ongoing work to define homogeneous 1394 to 1394 bridges. IP/1394 WG members are working informally within P1394.1 so that in the future, IP/1394 devices may be able to communicate through 1394 bridges. Also, an informal liaison exists with P1394a to insure ARP, Multicast Channel Allocation Protocol (MCAP), and IP broadcast can utilize the P1394a broadcast channel.

The IP/1394 WG plans to deliver the following two documents:

- \* IPv4 over 1394 Specification
- \* 1394 Extensions for DHCP (with cooperation from DHCP WG)

For only IPv4, the IPv4 over 1394 document defines:

- \* Encapsulation of ARP, MCAP, IP unicast, IP multicast, and IP broadcast.
- \* The ARP protocol that maps IP unicast addresses to 64 bit 1394 addrs.
- \* The MCAP protocol that maps IP multicast addresses to 1394 channels.
- \* A mapping of IP Broadcast addresses to the P1394a broadcast channel.
- \* An IEEE 1212 Unit Directory that allows dynamic loading of IP/1394 drivers.

There are no IP/1394 WG plans to work on an IPv6 over 1394 specification, a 1394 SNMP MIB, or methods to relate 1394 services (including a 1394 isochronous service) to other Quality of Service (QoS) IETF work. Plans may change if sufficient interest is expressed and enough individuals agree to do the work. So far, one WG member produced an IPv6 over 1394 ID; another WG member wrote an IP over isochronous 1394 ID. These drafts should be the starting points for any future work on their respective topics.

In the Fall of 1999, WG members plan to have an interoperability event to test all aspects of the IPv4 over 1394 document. The purpose of the testing is to advance the document through the IETF standardization process.

#### Goals and Milestones:

- |        |                                                              |
|--------|--------------------------------------------------------------|
| Jun 99 | Submit IPv4 over 1394 for publication as a Proposed Standard |
| Sep 99 | Submit DHCP extensions for 1394 to IESG                      |
| Sep 99 | Reevaluate status; recharter or shutdown WG                  |

## Dynamic Host Configuration (dhc)

-----

Current Status: Active Working Group - RECHARTER

### Chair(s):

Ralph Droms <droms@bucknell.edu>

### Internet Area Director(s):

Thomas Narten <narten@raleigh.ibm.com>

Erik Nordmark <nordmark@eng.sun.com>

### Internet Area Advisor:

Thomas Narten <narten@raleigh.ibm.com>

### Mailing Lists:

General Discussion:       dhcp-v4@bucknell.edu  
To Subscribe:             listserv@bucknell.edu  
In Body (e.g.):           subscribe dhcp-v4 Your Name  
Archive:                  Send email to listserv@bucknell.edu with HELP as  
the text.

### Description of Working Group:

### Other Lists:

DHCP-DNS interaction:     dhcp-dns@bucknell.edu  
DHCP implementations:     dhcp-impl@bucknell.edu  
DHCP bake-offs:           dhcp-bake@bucknell.edu  
Failover protocol:        dhcp-serve@bucknell.edu  
DHCPv6:                   dhcp-v6@bucknell.edu  
DHCPv6 implementations:   dhcp-v6impl@bucknell.edu

This working group has developed DHCP for automated allocation, configuration and management of IP addresses and TCP/IP protocol stack parameters. DHCP is currently a "Draft Standard" (RFC2131, RFC2132). The working group now has four main objectives:

- \* Revise and submit the DHCP specification for acceptance as a Full Standard
- \* Develop a roadmap for the review and acceptance of new options, define a new option syntax, develop an accurate list of assigned option codes and identify option codes that can be safely reassigned

- \* Develop a specification for DHCP for IPv6
- \* Develop an inter-server communication for coordination of multiple servers
- \* Review new options for DHCP, as deemed appropriate by the working group chair and/or the Internet area directors; specific options currently under review in the working group include:
  - o Mechanisms for the authentication of clients and servers
  - o Interaction between DHCP and DNS dynamic update protocol
  - o Definition of a DHCP MIB for management of DHCP servers through SNMP
  - o Definition of an LDAP schema to provide a standardized format for the storage and retrieval of DHCP information, primarily configuration and lease data; this schema will be developed in coordination with the Policy Frameworks Working Group as appropriate.
  - o Options through which DHCP relay agents can pass information to DHCP servers
  - o Other options: user class, server selection, domain search

#### Goals and Milestones:

- |          |                                                                         |
|----------|-------------------------------------------------------------------------|
| Jun 1999 | Submit Internet-Draft on subnet selection option in time for Oslo IETF. |
| Jun 1999 | Submit Internet-Draft on LDAP schema for DHCP in time for Oslo IETF.    |
| Jun 1999 | Submit Internet-Draft on DHCP authentication in time for Oslo IETF.     |
| Jun 1999 | Submit Internet-Draft on failover protocol in time for Oslo IETF.       |
| Jun 1999 | Submit Internet-Draft on relay agent options in time for Oslo IETF.     |
| Jun 1999 | Submit Internet-Draft on DHCP-DNS interaction in time for Oslo IETF.    |

Jul 1999	Submit Internet-Draft on DHCP authentication for WG last call.
Jul 1999	Develop plan for review of DHCP specification and acceptance as Internet Standard.
Sep 1999	Submit DHCP server MIB specification for WG last call.
Sep 1999	Submit subnet selection option specification for WG last call.
Nov 1999	Submit DHCP server MIB specification for IESG consideration as a Proposed Standard.
Nov 1999	Submit LDAP schema specification for WG last call.
Mar 2000	Submit LDAP schema specification for IESG consideration as a Proposed Standard.

## Point-to-Point Protocol Extensions (pppext)

---

Current Status: Active Working Group - RECHARTER

### Chair(s):

Karl Fox <karl@extant.net>

### Internet Area Director(s):

Thomas Narten <narten@raleigh.ibm.com>

Erik Nordmark <nordmark@eng.sun.com>

### Internet Area Advisor:

Thomas Narten <narten@raleigh.ibm.com>

### Mailing Lists:

General Discussion: ietf-ppp@merit.edu

To Subscribe: ietf-ppp-request@merit.edu

Archive: ftp://merit.edu/pub/ietf-ppp-archive

### Description of Working Group:

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Note: A separate list has been set up for L2TP discussions:

L2TP Discussions: l2tp@ipsec.org

To Subscribe: l2tp-request@ipsec.org

Archive: <http://www.ipsec.org/email/l2tp/>

The Point-to-Point Protocol (PPP, RFC 1661) is a mature protocol with a large number of subprotocols, encapsulations and other extensions. The group will actively advance PPP's most useful extensions to full standard, while defending against further enhancements of questionable value.

The Layer 2 Tunneling Protocol (L2TP) is a brand-new protocol for tunneling PPP sessions over various network types. The group will actively advance the L2TP base protocol through the standards process and consider extensions to the base protocol.

### Goals and Milestones:

---

Aug 1999	Advance L2TP MIB to Proposed Standard
Aug 1999	Advance SDL draft to Experimental
Aug 1999	Advance AODI draft to Proposed Standard
Dec 1999	Advance CHAP (RFC 1994) to Standard
Dec 1999	Advance Multilink (RFC 1990) to Standard

Dec 1999	Advance LQM (RFC 1989) to Standard
Dec 1999	Advance IPCP (RFC 1332) to Draft Standard
Dec 1999	Advance BCP (RFC 1638) to Draft Standard
Dec 1999	Advance CCP (RFC 1962) to Draft Standard
Dec 1999	Advance ECP (RFC 1968) to Draft Standard
Dec 1999	Advance PPP over ISDN (RFC 1618) to Draft Standard
Mar 2000	Advance L2TP to Draft Standard
Mar 2000	Advance LCP MIB (RFC 1471) to Draft Standard
Mar 2000	Advance CHAP MIB (RFC 1472) to Draft Standard
Mar 2000	Advance IPCP MIB (RFC 1473) to Draft Standard
Mar 2000	Advance BCP MIB (RFC 1474) to Draft Standard

## Policy Framework Working Group Charter (policy)

Current Status: Active Working Group - RECHARTER

### Chairs:

Ed Ellesson <ellesson@raleigh.ibm.com>  
John Strassner <johns@cisco.com>

### O&M Area Directors:

Bert Wijnen <wijnen@vnet.ibm.com>  
Randy Bush <randy@psg.com>

### Operations and Management Area Advisor:

Bert Wijnen <wijnen@vnet.ibm.com>

### Security Advisor:

Russ Mundy <mundy@tislabs.com>

### Mailing Lists:

List: [policy@raleigh.ibm.com](mailto:policy@raleigh.ibm.com)

To Subscribe: [policy-request@raleigh.ibm.com](mailto:policy-request@raleigh.ibm.com)  
In Body: subscribe  
Archive: <http://www.raleigh.ibm.com/maillists/policy/>

### Description of the Working Group:

#### Problem Statement:

There is a need to represent, manage, share, and reuse policies and policy information in a vendor-independent, interoperable, and scalable manner. This working group has three main goals. First, to provide a framework that will meet these needs. Second, to define an extensible information model and specific schemata compliant with that framework that can be used for general policy representation (called the core information model and schema). For now, only a directory schema will be defined. Third, to extend the core information model and schema to address the needs of QoS traffic management (called the QoS information model and schemata).

The viability of the framework will be proven by demonstrating that high-level policy information can be translated into device configuration information for network QoS applications. This requires the coordination of the core and QoS schemata, the PIB and MIB being developed in DiffServ, and possibly extensions to COPS provisioning, which is being developed in RAP. A secondary goal of this framework is to show that this general development process can be extended to other application domains.

#### Objectives:

The objectives of this working group are to:

1. Identify a set of representative use cases to guide us in defining a policy framework, information model, and schemata to store, retrieve, distribute and process policies. These use cases should map to a set of policy rules, and aid us in defining the composition of policies.
2. Define a framework for intra-domain policy definition and administration for a heterogeneous set of Policy Decision and Enforcement Points. Here, "intra-domain" refers to policy components that are all under the same (and exclusive) administrative control. The framework will be shown to be able to be used to represent, distribute, and manage policies and policy information in an unambiguous, interoperable manner in a single administrative domain. This framework will be applied to network QoS.
3. A general information model, derived from the CIM/DEN policy model, will be produced. This is intended to serve as a generic means for representing policies and policy information. In addition, a mapping of this information model to a form that can be implemented in a directory that uses LDAPv3 as its access protocol will also be done.
4. Refinements to the above, for representing signaled and provisioned QoS, will be done. That is, both the information model as well as the schema will be extended to focus on network QoS. This will also be used to prove the general extensibility of the model.
5. A key part of demonstrating that this model can provide end-to-end translation of high-level policy specifications to device configurations is to ensure that the information model and schemata are compatible with and can use the information contained in the PIB(s) and MIB(s) being

developed in the Differentiated Services WG. To this end, the Policy Framework WG will supply input to the development of the PIBs, and include all applicable PIBs and MIBs in its development considerations for the framework, information model, and schemata.

6. Policy information may be communicated using several protocols. The COPS protocol, being developed in the RAP WG, is an example of one such protocol. The Policy Framework WG will work with the RAP WG to define usage directives for use of the COPS base protocol to support policy information exchange transactions within the framework being standardized in the Policy Framework WG.

7. The Policy Framework WG will work closely with the IPSP WG to ensure that the IPsec data model fits and can be supported within the general framework defined by the Policy Framework WG.

8. The Policy Framework WG will work with other WGs as needed to ensure that the framework, information model, and specific schemata produced meet the needs of these WGs.

9. The charter specifically excludes:

- protocol definition
- schema attributes or classes that are vendor-specific (although the schema defined in this group will be defined in a way that is extensible by specific vendors)

Goals and Milestones:

- Aug 99. Policy terminology draft (Informational Track)  
Working Group Last Call
- Aug 99. Use case definition (Informational Track)  
Submit initial Draft
- Sep 99. Core information model draft (Standards Track)  
Working group Last Call
- Oct 99. Core LDAP schema draft (Standards Track)  
Working group Last Call
- Nov 99. Use case definition (Informational Track)  
Working Group Last Call
- Dec 99. Framework draft (Informational Track)  
Working group Last Call
- Mar 00. QoS Schema draft(s) (Standards Track)  
Working group Last Call

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id GAA06697  
for <iesg@ietf.org>; Wed, 7 Jul 1999 06:48:52 -0400 (EDT)  
Date: Wed, 7 Jul 1999 06:49:00 -0400 (Eastern Daylight Time)  
From: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: DRAFT Minutes from July 1 Telechat  
Message-ID: <Pine.WNT.3.96.990707064836.-219359B-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \*

INTERNET ENGINEERING STEERING GROUP (IESG)  
July 1, 1999

Reported by: Steve Coya, IETF Executive Director

#### ATTENDEES

-----

Baker, Fred / Cisco Systems  
Bradner, Scott / Harvard  
Bush, Randy / Verio  
Carpenter, Brian / IBM (IAB Liaison)  
Coltun, Rob / Fore Systems  
Freed, Ned / Innosoft (IAB Liaison)  
Marine, April / Internet Engines  
Moore, Keith / U of Tennessee  
Narten, Thomas / IBM  
Nordmark, Erik / Sun  
Oran, Dave / Cisco  
Paxson, Vern / ACIRI/ICSI  
Schiller, Jeff / MIT  
Wijnen, Bert / IBM

## Regrets

-----

Coya, Steve / IETF Secretariat  
Faltstrom, Patrik / Swipnet  
Leech, Marcus / Nortel  
Reynolds, Joyce K. / ISI (IANA Liaison)

## Minutes

-----

1. The minutes of the June 16, 1999 Teleconference were approved. Steve to place in public archives.
2. The IESG approved publication of the following as Proposed Standards:
  - o IPPM Metrics for Measuring Connectivity <RFC2498>
  - o A One-way Delay Metric for IPPM  
<draft-ietf-ippm-delay-07.txt>
  - o A One-way Packet Loss Metric for IPPM  
<draft-ietf-ippm-loss-07.txt>
  - o A Round-trip Delay Metric for IPPM  
<draft-ietf-ippm-rt-delay-01.txt>

Steve to send announcement.

3. The IESG approved publication of IP Tunnel MIB  
<draft-ietf-ietf-mib-tunnel-mib-06.txt> as a Proposed Standard. Steve to send announcement.
4. The IESG approved publication of Definitions of Managed Objects for the NBMA Next Hop Resolution Protocol (NHRP)  
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5. The IESG approved publication of Definitions of Managed Objects for the Ethernet-like Interface Types  
<draft-ietf-hubmib-etherif-mib-v2-04.txt> as a Proposed Standard.

The IESG also approved publication of Definitions of Object Identifiers for Identifying Ethernet Chip Sets  
<draft-ietf-hubmib-ether-chipsets-02.txt> as an Informational RFC.

Steve to send announcement.

6. The IESG approved publication of Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs) using SMIV2

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9. The IESG approved the revised charters for the following Working Groups:
  - o IP over IEEE 1394 (ip1394)
  - o Dynamic Host Configuration (dhc)
  - o Point-to-Point Extensions (ppext)
  - o Policy Framework (policy)

Steve to update charters before the IETF meeting in Oslo.

10. The IESG approved publication of DNS extensions to Network Address Translators <draft-ietf-nat-dns-alg-04.txt> as an Informational RFC. Steve to send announcement.
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13. The IESG had no problem with the publication of The SRP MAC Layer Protocol <draft-tsiang-srp-00.txt> as an Informational RFC. Steve to send announcement.

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[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id SAA23905  
for <iesg@ietf.org>; Wed, 28 Jul 1999 18:07:08 -0400 (EDT)  
Date: Wed, 28 Jul 1999 18:07:26 -0400 (Eastern Daylight Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: Telechat Package for July 29  
Message-ID: <Pine.WNT.3.96.990728164451.-180071P-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the July 29, 1999 IESG Teleconference

1. Administrivia

- o Roll Call
- o Bash the Agenda
- o Approval of the Minutes
  - July 1

2. Protocol Actions

- o Multiprotocol Label Switching Architecture [Proposed]
  - <draft-ietf-mppls-arch-05.txt>
- o MPLS Label Stack Encoding [Proposed]
  - <draft-ietf-mppls-label-encaps-04.txt>

3. Working Group Actions

- o Roaming Operations (roamops) - Revised Charter

4. Working Group Documents

- o Taxonomy of Communication Requirements for Large-scale Multicast Applications [Informational]
  - <draft-ietf-lsma-requirements-03.txt>APP
- o Protocol-independent content negotiation framework [Informational]APP

- <draft-ietf-conneg-requirements-02.txt>
- o LDAP Control Extension for Simple Paged Results Manipulation [Informational] APP
- <draft-ietf-asid-ldapv3-simplepaged-03.txt>

#### Notification of recent additions

- o SPKI Certificate Theory [Experimental] SEC
- <draft-ietf-spki-cert-theory-05.txt>
- o SPKI Requirements [Experimental] SEC
- <draft-ietf-spki-cert-req-03.txt>

### 5. Individual Submissions (non-wg)

- o Schema for Representing CORBA Object References in an LDAP Directory [Informational] APP
- <raft-ryan-corba-schema-01.txt>
- o Schema for Representing Java(tm) Objects in an LDAP Directory [Informational] APP
- <draft-ryan-java-schema-02.txt>
- o ECML v1: Field Names for E-Commerce [Informational] APP
- <draft-eastlake-ecom-fields-01.txt>
- o Media Gateway Control Protocol (MGCP) [Informational] TSV
- <draft-huitema-megaco-mgcp-v1-00.txt>

#### Notification of recent additions

- o Password-Based Cryptography Specification PKCS #5 v2.0 [Informational] SEC
- <draft-kaliski-pkcs5-v2-01.txt>
- o Uniform Resource Identifiers for Television Broadcasts [Informational] APP
- <draft-zigmond-tv-url-02.txt>
- o Comparison of the Addressing Schemes of the Internet and OSI [Informational] APP
- <draft-qkim-addr-comp-01.txt>
- o IMAP4 Implementation Recommendations [Informational] APP
- <draft-leiba-imap-implement-guide-10.txt>

### 6. Working Group News We Can Use

### 7. IAB News we can use

### 8. Management Issues

INTERNET ENGINEERING STEERING GROUP (IESG)  
July 1, 1999

Reported by: Steve Coya, IETF Executive Director

ATTENDEES

-----

Baker, Fred / Cisco Systems  
Bradner, Scott / Harvard  
Bush, Randy / Verio  
Carpenter, Brian / IBM (IAB Liaison)  
Coltun, Rob / Fore Systems  
Freed, Ned / Innosoft (IAB Liaison)  
Marine, April / Internet Engines  
Moore, Keith / U of Tennessee  
Narten, Thomas / IBM  
Nordmark, Erik / Sun  
Oran, Dave / Cisco  
Paxson, Vern / ACIRI/ICSI  
Schiller, Jeff / MIT  
Wijnen, Bert / IBM

Regrets

-----

Coya, Steve / IETF Secretariat  
Faltstrom, Patrik / Swipnet  
Leech, Marcus / Nortel  
Reynolds, Joyce K. / ISI (IANA Liaison)

Minutes

-----

1. The minutes of the June 16, 1999 Teleconference were approved. Steve to place in public archives.
2. The IESG approved publication of of the following as Proposed Standards:
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## Ballot: Multiprotocol Label Switching Architecture to Proposed Standard

-----

Note: This is a multi-document set

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[   ]	[   ]	[   ]
Scott Bradner	[   ]	[   ]	[ X ]	[   ]
Randy Bush	[   ]	[ X ]	[   ]	[   ]
Rob Coltun	[ X ]	[   ]	[   ]	[   ]
Patrik Faltstrom	[   ]	[   ]	[   ]	[   ]
Marcus Leech	[   ]	[ X ]	[   ]	[   ]
April Marine	[   ]	[ X ]	[   ]	[   ]
Keith Moore	[   ]	[ X ]	[   ]	[   ]
Thomas Narten	[   ]	[ X ]	[   ]	[   ]
Erik Nordmark	[   ]	[   ]	[ X ]	[   ]
Dave Oran	[ X ]	[   ]	[   ]	[   ]
Vern Paxson	[   ]	[ X ]	[   ]	[   ]
Jeff Schiller	[   ]	[ X ]	[   ]	[   ]
Bert Wijnen	[   ]	[ X ]	[   ]	[   ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved publication of the following Internet-Drafts as Proposed Standards:

- o Multiprotocol Label Switching Architecture <draft-ietf-mpls-arch-05.txt>
- o MPLS Label Stack Encoding <draft-ietf-mpls-label-encaps-04.txt>

These documents are the product of the Multiprotocol Label Switching Working Group. The IESG contact persons are Rob Coltun and Dave Oran.

### Technical Summary

This document describes the overall architecture of MPLS. It defines the basic concepts of MPLS and establishes the elemental terminology. It defines label operations and label semantics. It defines strategies for such things as label distribution, and encapsulation. Finally it describes potential applications of MPLS.

The document does not define a protocol directly, but it is anticipated that several protocols will be developed and/or modified

in order to support the architecture defined herein. This document is intended to serve as a basis for making design choices for those anticipated protocols.

## Working Group Summary

During the development of MPLS many good ideas came forward. Where approaches competed, there were times where application needs demanded that multiple approaches be incorporated in the architecture. At other points difficult choices had to be made for the sake of interoperability. This document captures the decisions of the workgroup and thus has served as a vehicle to both achieve and document workgroup consensus.

## Protocol Quality

These drafts have been reviewed by Rob Coltun. There are interoperable implementations of a number of the protocols that constitute the MPLS suite of protocols (which have yet to be issued as RFCs).

This document exists to improve the protocol quality of protocols built or modified to implement MPLS. It represents a thorough professional job on the part of its authors and has captured the technical efforts of the workgroup. But ultimately its quality will be judged by the protocols that proceed from it.

=====  
Comment:

Marcus: With a typographical nit:

In Security Considerations:

The MPLS generic encapsulation inserts a shim between the data link layer header and the network layer header. This may cause such any such security procedures to fail.

Scott:

draft-ietf-mpls-arch-05.txt  
MUST used but not defined

draft-ietf-mpls-label-encaps-04.txt  
are there any IPR issues here? (there is an IPR pointer in draft-ietf-mpls-arch-05.txt)

Erik:

Will send note to authors on multicast/unicast



## Roaming Operations (roamops) - RECHARTER

### Chair(s):

Glen Zorn <gwz@acm.org>

Pat Calhoun <pcalhoun@eng.sun.com>

### Operations and Management Area Director(s):

Randy Bush <randy@psg.com>

Bert Wijnen <wijnen@vnet.ibm.com>

### Operations and Management Area Advisor:

Randy Bush <randy@psg.com>

### Technical Advisor(s):

Randy Bush <randy@psg.com>

### Mailing Lists:

General Discussion:roamops@tdmx.rutgers.edu

To Subscribe: roamops-request@tdmx.rutgers.edu

In Body: subscribe

Archive: ftp://ftp-no.rutgers.edu/misc/IETF/roamops

### Description of Working Group:

The purpose of this group is to develop or adopt procedures, mechanisms and protocols to support user roaming among groups of Internet service providers (ISPs). This is different from, but related to, the work of the IP Routing for Wireless/Mobile Hosts Working Group (mobileip) in that the roamops group is not concerned with the movement of hosts or subnets, but of users. Thus far, the group has produced an architectural document describing the basic mechanisms required to support user roaming, a description of several existing roaming implementations and defined a standard username syntax to support roaming. A repository for documentation describing current roaming implementations is also maintained.

In the future, the group will address interoperability among ISPs and roaming users by standardizing such items as network usage data exchange (including the content, format and protocols involved), phone book attributes and exchange/update protocols, authentication and authorization mechanisms and exploring in in depth the security issues involved with roaming. This work is expected to consist mainly of new or revised

procedures and application-layer protocols, in addition to recommendations for the fulfillment of the Internet roaming requirements.

Any and all business issues regarding the operation of an ISP roaming network (such as settlement, business and billing methods) are specifically NOT in the scope of the roamops Working Group and will not be discussed.

The group will work closely with other IETF Working Groups (including mobileip, saag and cat) to identify issues to which the roamops group should attend, as well as to assure that their work does not make roaming unnecessarily difficult or impossible.

The utmost goal of the group is to ensure that none of its output completely and utterly suck.

#### Goals and Milestones:

Done	Re-submit existing Internet-Drafts as work of the ROAMOPS Working Group
Done	Review the charter for additional work required
Done	Submit the roaming implementations review draft for publication as an Informational RFC.
Done	Submit the roaming requirements and network authentication identifier drafts for publication as a Proposed Standard.
Done	Submit Internet-Drafts on phone book attributes and format.
Done	Submit the authentication draft for publication as a Proposed Standard
Aug 99	Submit an Internet Draft on roaming requirements fulfillment
Sep 99	Submit the accounting draft for publication as a Proposed Standard.
Sep 99	Submit a Roaming Authentication, Authorization and Accounting Protocol Internet Draft
Dec 99	Submit roaming requirements fulfillment as BCP

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us [10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id RAA07083  
for <iesg@ietf.org>; Wed, 11 Aug 1999 17:24:29 -0400 (EDT)  
Date: Wed, 11 Aug 1999 17:24:48 -0400 (Eastern Daylight Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org

Subject: Telechat Package for August 12  
Message-ID: <Pine.WNT.3.96.990811165549.-297869C-100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the August 12, 1999 IESG Teleconference

1. Administrivia

- o Roll Call
- o Bash the Agenda
- o Approval of the Minutes
  - July 1

2. Protocol Actions

- o Multiprotocol Label Switching Architecture [Proposed]
  - <draft-ietf-mppls-arch-05.txt>
- o MPLS Label Stack Encoding [Proposed]
  - <draft-ietf-mppls-label-encaps-04.txt>
- o Transition Mechanisms for IPv6 Hosts and routers [Proposed]
  - <draft-ietf-ngtrans-mech-04.txt>
- o Multiprotocol Encapsulation over ATM Adaptation Layer 5 [Proposed]
  - <draft-ietf-ion-multiprotocol-atm-04.txt>
- o Virtual Private Networks Identifier [Proposed]
  - <draft-ietf-ion-vpn-id-01.txt>
- o The Multi-Class Extension to Multi-Link PPP [Proposed]
  - <draft-ietf-issll-isslow-mcml-06.txt>
- o PPP in a real-time oriented HDLC-like framing [Proposed]
  - <draft-ietf-issll-isslow-rtf-05.txt>
- o Integrated Services Mappings for Low Speed Networks [Proposed]
  - <draft-ietf-issll-isslow-svcmap-08.txt>
- o Providing integrated services over low-bitrate links [Informational]
  - <draft-ietf-issll-isslow-06.txt>

3. Working Group Actions

- o Zero Configuration Networking (zeroconf)
  - AKA Networks in the Small (nits))
- o Secure Network Time Protocol (stime)

- o Roaming Operations (roamops) - RECHARTER

#### 4. Working Group Documents

- o A Memorandum of Understanding for an ICANN Protocol Support Organization [Informational]  
<draft-ietf-poisson-pso-mou-01.txt>  
A Proposal for an MOU-Based ICANN Protocol Support Organization [Informational]  
<draft-ietf-poisson-mou-pso-00.txt>
- o Taxonomy of Communication Requirements for Large-scale Multicast Applications [Informational]  
<draft-ietf-lsma-requirements-03.txt> APP
- o Protocol-independent content negotiation framework [Informational]  
<draft-ietf-conneg-requirements-02.txt> APP
- o LDAP Control Extension for Simple Paged Results Manipulation [Informational]  
<draft-ietf-asid-ldapv3-simplepaged-03.txt> APP
- o SPKI Certificate Theory [Experimental]  
<draft-ietf-spki-cert-theory-05.txt> SEC
- o SPKI Requirements [Experimental]  
<draft-ietf-spki-cert-req-03.txt> SEC
- o Authentication Mechanisms for ONC RPC [Informational]  
<draft-ietf-oncrpc-auth-06.txt> TSV
- o Web Proxy Auto-Discovery Protocol [Informational]  
<draft-ietf-wrec-wpad-01.txt> APP
- o Requirements for Traffic Engineering Over MPLS [Informational]  
<draft-ietf-mpls-traffic-eng-01.txt> RTG

#### 5. Individual Submissions (non-wg)

- o Performance Issues in VC-Merge Capable ATM LSRs [Informational]  
<draft-widjaja-mpls-vc-merge-01.txt> RTG
- o Schema for Representing CORBA Object References in an LDAP Directory [Informational]  
<raft-ryan-corba-schema-01.txt> APP
- o Schema for Representing Java(tm) Objects in an LDAP Directory [Informational]  
<draft-ryan-java-schema-02.txt> APP
- o ECML v1: Field Names for E-Commerce [Informational]  
<draft-eastlake-ecom-fields-01.txt> APP
- o Media Gateway Control Protocol (MGCP) [Informational] TSV

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>&lt;draft-huitema-megaco-mgcp-v1-02.txt&gt;</li> </ul> </li> <li>o Password-Based Cryptography Specification PKCS #5 v2.0 [Informational]</li> <li> <ul style="list-style-type: none"> <li>&lt;draft-kaliski-pkcs5-v2-01.txt&gt;</li> </ul> </li> <li>o Uniform Resource Identifiers for Television Broadcasts [Informational]</li> <li> <ul style="list-style-type: none"> <li>&lt;draft-zigmond-tv-url-02.txt&gt;</li> </ul> </li> <li>o Comparison of the Addressing Schemes of the Internet and OSI [Informational]</li> <li> <ul style="list-style-type: none"> <li>&lt;draft-qkim-addr-comp-01.txt&gt;</li> </ul> </li> <li>o IMAP4 Implementation Recommendations [Informational]</li> <li> <ul style="list-style-type: none"> <li>&lt;draft-leiba-imap-implement-guide-10.txt&gt;</li> </ul> </li> <li>o The KeyNote Trust-Management System [Informational]</li> <li> <ul style="list-style-type: none"> <li>&lt;draft-blaze-ietf-trustmgt-keynote-02.txt&gt;</li> </ul> </li> </ul> | <p>SEC</p> <p>APP</p> <p>APP</p> <p>APP</p> <p>SEC</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|

## 6. Working Group News We Can Use

## 7. IAB News we can use

## 8. Management Issues

- o Response to ITU re ASN.1
- o Diameter
- o Working group's guide to IPSEC
- o IPSP and the Policy Framework WG
- o PSO Protocol Council secretary
- o I-Ds without proper boilerplate text

INTERNET ENGINEERING STEERING GROUP (IESG)  
July 1, 1999

Reported by: Steve Coya, IETF Executive Director

ATTENDEES

-----

Baker, Fred / Cisco Systems  
Bradner, Scott / Harvard  
Bush, Randy / Verio  
Carpenter, Brian / IBM (IAB Liaison)  
Coltun, Rob / Fore Systems  
Freed, Ned / Innosoft (IAB Liaison)  
Marine, April / Internet Engines  
Moore, Keith / U of Tennessee  
Narten, Thomas / IBM  
Nordmark, Erik / Sun  
Oran, Dave / Cisco  
Paxson, Vern / ACIRI/ICSI  
Schiller, Jeff / MIT  
Wijnen, Bert / IBM

Regrets

-----

Coya, Steve / IETF Secretariat  
Faltstrom, Patrik / Swipnet  
Leech, Marcus / Nortel  
Reynolds, Joyce K. / ISI (IANA Liaison)

Minutes

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1. The minutes of the June 16, 1999 Teleconference were approved. Steve to place in public archives.
2. The IESG approved publication of of the following as Proposed Standards:
  - o IPPM Metrics for Measuring Connectivity <RFC2498>
  - o A One-way Delay Metric for IPPM  
<draft-ietf-ippm-delay-07.txt>
  - o A One-way Packet Loss Metric for IPPM  
<draft-ietf-ippm-loss-07.txt>
  - o A Round-trip Delay Metric for IPPM  
<draft-ietf-ippm-rt-delay-01.txt>

Steve to send announcement.

3. The IESG approved publication of IP Tunnel MIB  
<draft-ietf-ietf-mib-tunnel-mib-06.txt> as a Proposed Standard. Steve to send announcement.
4. The IESG approved publication of Definitions of Managed Objects for the NBMA Next Hop Resolution Protocol (NHRP)  
<draft-ietf-ion-nhrp-mib-09.txt> as a Proposed Standard. Steve to send announcement.
5. The IESG approved publication of Definitions of Managed Objects for the Ethernet-like Interface Types  
<draft-ietf-hubmib-etherif-mib-v2-04.txt> as a Proposed Standard.

The IESG also approved publication of Definitions of Object Identifiers for Identifying Ethernet Chip Sets  
<draft-ietf-hubmib-ether-chipsets-02.txt> as an Informational RFC.

Steve to send announcement.

6. The IESG approved publication of Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs) using SMIV2  
<draft-ietf-hubmib-mau-mib-v2-04.txt> as a Proposed Standard. Bert to provide text for RFC Editor note. When received, Steve to send announcement.
7. The IESG approved publication of Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions <draft-ietf-bridge-bridgemib-06.txt> as a Proposed Standard, but changes to the Abstract and references section are needed. Bert to provide to Steve who will add it as a RFC Editor note prior to sending the announcement.
8. The IESG approved publication of Definitions of Managed Objects for the ADSL Lines <draft-ietf-adslmib-adslinmib-09.txt> as a Proposed Standard. Steve to send announcement.
9. The IESG approved the revised charters for the following Working Groups:
  - o IP over IEEE 1394 (ip1394)
  - o Dynamic Host Configuration (dhc)
  - o Point-to-Point Extensions (pppext)
  - o Policy Framework (policy)

Steve to update charters before the IETF meeting in Oslo.

10. The IESG approved publication of DNS extensions to Network Address Translators <draft-ietf-nat-dns-alg-04.txt> as an Informational RFC. Steve to send announcement.
11. The IESG had no problem with the publication of URLs for Telephone Calls <draft-antti-telephony-url-08.txt> as an Informational RFC. Steve to send announcement.
12. The IESG had no problem with the publication of A Framework for IP Based Virtual Private Networks <draft-gleeson-vpn-framework-01.txt> as an Informational RFC. Steve to send announcement.
13. The IESG had no problem with the publication of The SRP MAC Layer Protocol <draft-tsiang-srp-00.txt> as an Informational RFC. Steve to send announcement.

## Ballot: Multiprotocol Label Switching Architecture to Proposed Standard

-----

Note: This is a multi-document set

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[   ]	[   ]	[   ]
Scott Bradner	[   ]	[   ]	[ X ]	[   ]
Randy Bush	[   ]	[ X ]	[   ]	[   ]
Rob Coltun	[ X ]	[   ]	[   ]	[   ]
Patrik Faltstrom	[   ]	[   ]	[   ]	[   ]
Marcus Leech	[   ]	[ X ]	[   ]	[   ]
April Marine	[   ]	[ X ]	[   ]	[   ]
Keith Moore	[   ]	[ X ]	[   ]	[   ]
Thomas Narten	[   ]	[ X ]	[   ]	[   ]
Erik Nordmark	[   ]	[   ]	[ X ]	[   ]
Dave Oran	[ X ]	[   ]	[   ]	[   ]
Vern Paxson	[   ]	[ X ]	[   ]	[   ]
Jeff Schiller	[   ]	[ X ]	[   ]	[   ]
Bert Wijnen	[   ]	[ X ]	[   ]	[   ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved publication of the following Internet-Drafts as Proposed Standards:

- o Multiprotocol Label Switching Architecture <draft-ietf-mpls-arch-05.txt>
- o MPLS Label Stack Encoding <draft-ietf-mpls-label-encaps-04.txt>

These documents are the product of the Multiprotocol Label Switching Working Group. The IESG contact persons are Rob Coltun and Dave Oran.

### Technical Summary

This document describes the overall architecture of MPLS. It defines the basic concepts of MPLS and establishes the elemental terminology. It defines label operations and label semantics. It defines strategies for such things as label distribution, and encapsulation. Finally it describes potential applications of MPLS.

The document does not define a protocol directly, but it is anticipated that several protocols will be developed and/or modified

in order to support the architecture defined herein. This document is intended to serve as a basis for making design choices for those anticipated protocols.

## Working Group Summary

During the development of MPLS many good ideas came forward. Where approaches competed, there were times where application needs demanded that multiple approaches be incorporated in the architecture. At other points difficult choices had to be made for the sake of interoperability. This document captures the decisions of the workgroup and thus has served as a vehicle to both achieve and document workgroup consensus.

## Protocol Quality

These drafts have been reviewed by Rob Coltun. There are interoperable implementations of a number of the protocols that constitute the MPLS suite of protocols (which have yet to be issued as RFCs).

This document exists to improve the protocol quality of protocols built or modified to implement MPLS. It represents a thorough professional job on the part of its authors and has captured the technical efforts of the workgroup. But ultimately its quality will be judged by the protocols that proceed from it.

=====  
Comment:

Marcus: With a typographical nit:

In Security Considerations:

The MPLS generic encapsulation inserts a shim between the data link layer header and the network layer header. This may cause such any such security procedures to fail.

Scott:

draft-ietf-mpls-arch-05.txt  
MUST used but not defined

draft-ietf-mpls-label-encaps-04.txt  
are there any IPR issues here? (there is an IPR pointer in draft-ietf-mpls-arch-05.txt)

Erik:

Will send note to authors on multicast/unicast

Ballot: Transition Mechanisms for IPv6 Hosts and Routers to  
Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ X ]	[ ]
Randy Bush	[ X ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ X ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ X ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'Transition Mechanisms for IPv6 Hosts and Routers' <draft-ietf-ngtrans-mech-04.txt> as a Proposed Standard. This document is the product of the Next Generation Transition Working Group. The IESG contact persons are Bert Wijnen and Randy Bush.

#### Technical Summary

This document specifies IPv4 compatibility and transition mechanisms which include providing complete implementations of both versions of the Internet Protocol (IPv4 and IPv6), and tunneling IPv6 packets over IPv4 routing infrastructure. They allow IPv6 nodes to maintain complete compatibility with IPv4, which should greatly simplify the deployment of IPv6, and facilitate transition to IPv6.

- Dual IP layer (also known as Dual Stack): A technique for providing complete support for both Internet protocols -- IPv4 and IPv6 -- in hosts and routers.

- Configured tunneling of IPv6 over IPv4: Point-to-point tunnels made by encapsulating IPv6 packets within IPv4 headers to carry them over IPv4 routing infrastructures.
- IPv4-compatible IPv6 addresses: An IPv6 address format that employs embedded IPv4 addresses.
- Automatic tunneling of IPv6 over IPv4: A mechanism for using IPv4-compatible addresses to automatically tunnel IPv6 packets over IPv4 networks.

## Working Group Summary

There was consensus and no technical objection in the WG for this document.

## Protocol Quality

This document has been reviewed for the IESG by Randy Bush. There is one or more implementations of each technique in progress.

=====

## DISCUSS:

Scott: MUST used but not defined

This ID seems to give short shift to RFC 2529 ( 6 over 4 )

the only reference I see (did I miss something) is in teh following

IPv4 multicast tunneling:

IPv6-over-IPv4 tunneling where the IPv4 tunnel endpoint address is determined using Neighbor Discovery [7]. Unlike configured tunneling this does not require any address configuration and unlike automatic tunneling it does not require the use of IPv4-compatible addresses. However, the mechanism assumes that the IPv4 infrastructure supports IPv4 multicast. Specified in [3] and not further discussed in this document.

it seems a bit funny to put all of 6over4 under "Pv4 multicast tunneling"

should say in the ID header that it updates RFC 1933

in changes from 1933 section, should note change of MTU from 576 to 1280

Thomas: Modulo the following comments, I'll vote yes.

- > Note that this does not completely eliminate IPv4 fragmentation in
- > the case when the IPv4 path MTU would result in an IPv6 MTU less than
- > 1280 bytes. (Any link layer used by IPv6 has to have an MTU of at
- > least 1280 bytes [4].) In this case the IPv6 layer has to "see" a
- > link layer with an MTU of 1280 bytes and the encapsulating node has
- > to use IPv4 fragmentation in order to forward the 1280 byte IPv6
- > packets.

With the IPv6 MTU being bumped to 1280, it is now larger than IPv4's max reassembly buffer size. That means that there is no guarantee that an IPv4 node will be able to accept (in whole or after reassembling fragments) a packet larger than 576 bytes. Or so according to our existing specs. In practice, all routers decapsulating v6 in v4 will probably be able to handle 1500 byte or larger packets. In any case, some text making note of this issue is probably appropriate, if only to state that decapsulators MUST be capable of handling IPv4 packets of 1280 bytes.

- > The TTL of the encapsulating IPv4 header is selected in an
- > implementation dependent manner. The current suggested value is
- > published in the "Assigned Numbers RFC. Implementations may
- > provide a mechanism to allow the administrator to configure the
- > IPv4 TTL.

A reference to draft-ietf-ietf-mib-tunnel-mib-06.txt, which is in the RFC editor's queue, would probably be appropriate here.

- > When decapsulating the packet, the IPv6 header is not modified. If
- > the packet is subsequently forwarded, its hop limit is decremented by
- > one.
- >
- > The encapsulating IPv4 header is discarded. [Note that work underway
- > in the IETF is redefining the Type of Service byte and as a result
- > future RFCs might define a different behavior for the ToS byte when
- > decapsulating a tunneled packet.]

Is the above "note" in the right place? Seems like it would be more appropriate in the previous paragraph.

- > IPv6/IPv4 router boardering the IPv6 backbone is known, this can be
- s/boardering/bordering/ (word is misspelled in more than one place)
- > configured tunnels the decapsulating node MUST be configured with a
- 2119 reference?

- > Using a default tunnel to an IPv4 "anycast address" provides a high
- > degree of robustness since multiple boarder router can be provided,
- > and, using the normal fallback mechanisms of IPv4 routing, traffic
- > will automatically switch to another router when one goes down.

There is one potential gotcha that probably needs documenting. If anycast routing is unstable (i.e., path changes a lot) packets will not all go to the same tunnel endpoint. If those packets are also fragmented, different fragments may end up at different routers. This should only be an issue of paths change rapidly.

- > - Updated to algorithm for determining tunnel MTU to reflect the
- > anticipated change in the IPv6 minimum MTU to 1280 bytes.

s/anticipated// and put in reference to 2460.

April:

1. Section 10 notes changes to RFC 1933, but there is no other reference to 1933 in the doc, not even in references. Will this doc show "updates" or "obsoletes" 1933? Should 1933 be in the references?

2. Sometimes uses phrasing like "may be disabled" or "must be capable" without reference to 2119 or other explanation of terms. A couple of times MUST (section 4.3) and SHOULD NOT (section 5.6) are capitalized, but usually not.

Ballot: Multiprotocol Encapsulation over ATM Adaptation Layer  
5 to Proposed Standard

-----

Note: This is a multiple document set

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ X ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved publication of the following documents as Proposed Standards:

- o Multiprotocol Encapsulation over ATM Adaptation Layer 5  
<draft-ietf-ion-multiprotocol-atm-04.txt>.

This document replaces RFC1483, currently a Proposed Standard.

- o Virtual Private Networks Identifier <draft-ietf-ion-vpn-id-02.txt>

These documents are the product of the Internetworking Over NBMA Working Group. The IESG contact persons are Erik Nordmark and Thomas Narten.

#### Technical Summary

The first document updates and replaces RFC 1483. It describes two

encapsulations methods for carrying network interconnect traffic over AAL type 5 over ATM. The first method allows multiplexing of multiple protocols over a single ATM virtual connection whereas the second method assumes that each protocol is carried over a separate ATM virtual connection. The document also defines how to encapsulate packets being carried as part of a specific ATM VPN. The second document defines the format for the VPN identifier used in ATM networks. The same VPN identifier may be useful as a VPN identifier in other technologies providing VPN service, but there is no requirement that it be used in other contexts.

#### Working Group Summary

There was consensus in the WG for these documents.

#### Protocol Quality

These documents have been reviewed for the IESG by Thomas Narten. The multiprotocol clarifies RFC 1483 and is recycling at Proposed rather than advancing to Draft because of the addition of the VPN encapsulation.

Ballot: The Multi-Class Extension to Multi-Link PPP to  
Proposed Standard

-----

Note: This is a multiple document set

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ ]	[ ]	[ ]
Scott Bradner	[ X ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ X ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved publication of the following Internet-Drafts as Proposed Standards:

- o The Multi-Class Extension to Multi-Link PPP  
<draft-ietf-issll-isslow-mcml-06.txt>
- o PPP in a real-time oriented HDLC-like framing  
<draft-ietf-issll-isslow-rtf-05.txt>
- o Integrated Services Mappings for Low Speed Networks  
<draft-ietf-issll-isslow-svcmap-08.txt>

In the same action, the IESG also approved publication of Providing integrated services over low-bitrate links  
<draft-ietf-issll-isslow-06.txt> as an Informational RFC.

These documents are the product of the Integrated Services over Specific Link Layers Working Group. The IESG contact persons are Scott Bradner and Vern Paxson.

## Technical Summary

These documents describe an architecture and technology for providing integrated services over low-bitrate links, such as modem lines, ISDN B-channels, and sub-T1 links. The main components of the architecture are: a real-time encapsulation format for asynchronous and synchronous low-bitrate links, a header compression architecture optimized for real-time flows, elements of negotiation protocols used between routers (or between hosts and routers), and announcement protocols used by applications to allow this negotiation to take place.

The Multi-Class Extension to Multi-Link PPP document describes a fragment-oriented solution for the real-time encapsulation format part of the architecture. The general approach is to start from the PPP Multilink fragmentation protocol and provide a small number of extensions to add functionality and reduce the overhead.

The PPP in a real-time oriented HDLC-like framing document describes a suspend/resume-oriented solution for the real-time encapsulation format part of the architecture. The general approach is to start from the PPP Multilink fragmentation protocol and its multi-class extension and add suspend/resume in a way that is as compatible to existing hard- and firmware as possible.

The Integrated Services Mappings for Low Speed Networks document defines the service mappings of the IETF Integrated Services for low-bitrate links, specifically the controlled load [5] and guaranteed [6] services. The approach takes the form of a set of guidelines and considerations for implementing these services, along with evaluation criteria for elements providing these services.

## Working Group Summary

The working group supported these documents and no issues were raised during IETF Last-Call

## Protocol Quality

These documents were reviewed for the IESG by Scott Bradner.

## Proposed Working Group

=====

### Zero Configuration Networking (zeroconf)

#### Chair(s):

Erik Guttman <erik.guttman@sun.com>  
Stuart Cheshire <stuart.cheshire@apple.com>

#### Internet Area Director(s):

Thomas Narten <narten@raleigh.ibm.com>  
Erik Nordmark <nordmark@eng.sun.com>

#### Internet Area Advisor:

Thomas Narten <narten@raleigh.ibm.com>

#### Mailing List:

General Discussion: nits@merit.edu  
To Subscribe: nits-request@merit.edu  
In body: subscribe nits Your Name  
Archive: <http://www.merit.edu/mail.archives/html/nits/>

The goal of the Zero Configuration Networking (ZEROCONF) Working Group is to define the requirements for networking in the absence of configuration and administration. Networking without administration is motivated by environments where networking is desirable but administration is impractical or impossible, such as in the home, an automobile or a small office (such as a dentist's office). If administration or configuration is required or desired, ZEROCONF requirements will make the transition from 'zero configuration' as simple as possible.

Networks where ZEROCONF protocols apply can include (but are not limited to) environments where neither DHCP servers nor DNS servers are present. The WG will also survey existing IETF protocols that address the problem of autoconfiguration, with the aim of understanding whether existing IP protocols are adequate to solve the needs for autoconfiguration in the ZEROCONF environment, or whether additional protocols are needed.

This working group will address the requirements for following functions in the context of both IPv4 and IPv6.

- \* Automatic Host Configuration

- \* Name-to-Address Translation

- \* Service Discovery

The working group will define the requirements to provide these functions on two distinct network topologies:

1. A single network segment, where all hosts are reachable by link-layer broadcast or multicast messages.
2. A set of network segments, (on different IP subnetworks) interconnected by a single router.

Automatic configuration of an arbitrary topology of routers and subnets is out of the scope of the ZEROCONF WG charter.

ZEROCONF requirements and protocols apply when no configuration is present. NAT, VPN, application gateways and proxies may be applied in such a network, but only transparently. If anything other than default security or network parameters are required by hosts on a ZEROCONF network, these hosts must transition from administrationless to administered network behavior.

It may be possible to enable hosts to be secure and operate in the big 'i' Internet automatically. The ZEROCONF WG will not produce the requirements for this operation, though there is significant interest in how to specify how security parameters and global networking parameters will be obtained and used by hosts in an administration-free, zero-touch environment. This may be a future work item of the ZEROCONF working group, but for the present it is out of scope of the working group charter.

The working group will also define how such a network will automatically transition from 'administered' to 'unadministered' behavior, as well as from 'unadministered' to 'administered'.

Other functions which are not of fundamental importance to host and application configuration are outside the scope of the working group. This is not because there are no other problems to solve for networking in an environment without administration. This working group will focus on an achievable subset of these problems.

This WG will produce two informational documents. The first describes the requirements for the configuration information and services a node needs in order to fully participate on ZEROCONF networks and/or the Internet at large. The second details a 'profile' specifying which protocols specifically satisfy the requirements outlined in the first document. If it is determined that no existing standard protocol fulfills the

requirements, the profile may specify that a new protocol is required or recommend a change to an existing standard to apply to the ZEROCONF environment.

#### Goals and Milestones:

- Dec 99      Submit internet-draft to be considered as an Informational RFC on Requirements for Zero Administration Networking.
- Mar 00      Submit internet-draft to be considered as an Informational RFC on Host Profile for Zero Administration Networking. If this profile cannot be written since required protocols are not yet standardized, recharter or dismiss the ZEROCONF WG.

## Proposed Working Group

=====

## Secure Network Time Protocol (stime)

-----

### Chair(s):

Tim Polk <wpolk@nist.gov>  
Patrick Cain <pcain@bbn.com>

### Security Area Director(s):

Jeffrey Schiller <jis@mit.edu>  
Marcus Leech <mleech@nortel.ca>

### Security Area Advisor:

Marcus Leech <mleech@nortel.ca>

### Mailing Lists:

General Discussion: ietf-stime@stime.org  
To Subscribe: ietf-stime-request@stime.org  
In Body: (un)subscribe  
Archive: send e-mail to ietf-stime-request@stime.org  
with 'index' in body

### Description of Working Group:

For trust models to be truly portable across the Internet, transactions must be anchored so they are comparable. The one shared commodity that can be widely agreed upon is time, and the ability to authenticate the source of the time can assist in providing such portability in trust. The ability to securely obtain time from authenticated sources is thus becoming a key factor in security and non-repudiation.

Current IETF protocols address the distribution of time, and there is also a project for the generation of cryptographically protected timestamps. Existing approaches to distributing time are vulnerable to external attack and tampering, as these do not take advantage of advances in public key infrastructure and cryptographic methods, and require distribution of cryptographic keys via non-scalable out-of-band means. Securing time distribution using PKI mechanisms allows the process to scale and minimizes risk.

The purpose of this working group is to define the message formats and protocols - specifically, modifications to the existing Network Time Protocol (NTP) - which are necessary to support the authenticated distribution of time for the Internet. The working group will be chartered for a period of 12 months to meet this goal. Utilization of previous research in this area is expected.

Work will concentrate on the Internet-based NTP, to be enhanced with the addition of public-key based authentication and security. The working group expects to enhance NTP by way of occasional "setup" interchanges between client and time server to establish a shared secret, followed by normal NTP interchanges secured via the shared secret. The output of the working group is expected to be a standards-track document.

Goals and Milestones:

Jul 99 as	Submit 3rd draft of Authentication Scheme Extensions to NTP an I-D
Nov 99 as	Submit 4th draft of Authentication Scheme Extensions to NTP an I-D
Mar 00	Submit Authentication Scheme Extensions to NTP to IESG for consideration as an RFC

## ReChartered WG

=====

### Roaming Operations (roamops)

#### Chair(s):

Glen Zorn <gwz@acm.org>

Pat Calhoun <pcalhoun@eng.sun.com>

#### Operations and Management Area Director(s):

Randy Bush <randy@psg.com>

Bert Wijnen <wijnen@vnet.ibm.com>

#### Operations and Management Area Advisor:

Randy Bush <randy@psg.com>

#### Technical Advisor(s):

Randy Bush <randy@psg.com>

#### Mailing Lists:

General Discussion:roamops@tdmx.rutgers.edu

To Subscribe: roamops-request@tdmx.rutgers.edu

In Body: subscribe

Archive: ftp://ftp-no.rutgers.edu/misc/IETF/roamops

#### Description of Working Group:

The purpose of this group is to develop or adopt procedures, mechanisms and protocols to support user roaming among groups of Internet service providers (ISPs). This is different from, but related to, the work of the IP Routing for Wireless/Mobile Hosts Working Group (mobileip) in that the roamops group is not concerned with the movement of hosts or subnets, but of users. Thus far, the group has produced an architectural document describing the basic mechanisms required to support user roaming, a description of several existing roaming implementations and defined a standard username syntax to support roaming. A repository for documentation describing current roaming implementations is also maintained.

In the future, the group will address interoperability among ISPs and roaming users by standardizing such items as network usage data exchange (including the content, format and protocols involved), phone book attributes and exchange/update protocols, authentication and authorization

mechanisms and exploring in in depth the security issues involved with roaming. This work is expected to consist mainly of new or revised procedures and application-layer protocols, in addition to recommendations for the fulfillment of the Internet roaming requirements.

Any and all business issues regarding the operation of an ISP roaming network (such as settlement, business and billing methods) are specifically NOT in the scope of the roamops Working Group and will not be discussed.

The group will work closely with other IETF Working Groups (including mobileip, saag and cat) to identify issues to which the roamops group should attend, as well as to assure that their work does not make roaming unnecessarily difficult or impossible.

The utmost goal of the group is to ensure that none of its output completely and utterly suck.

#### Goals and Milestones:

Done	Re-submit existing Internet-Drafts as work of the ROAMOPS Working Group
Done	Review the charter for additional work required
Done	Submit the roaming implementations review draft for publication as an Informational RFC.
Done	Submit the roaming requirements and network authentication identifier drafts for publication as a Proposed Standard.
Done	Submit Internet-Drafts on phone book attributes and format.
Done	Submit the authentication draft for publication as a Proposed Standard
Aug 99	Submit an Internet Draft on roaming requirements fulfillment
Sep 99	Submit the accounting draft for publication as a Proposed Standard.
Sep 99	Submit a Roaming Authentication, Authorization and Accounting Protocol Internet Draft
Dec 99	Submit roaming requirements fulfillment as BCP

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us [10.27.5.106])

by ietf.org (8.9.1a/8.9.1a) with SMTP id LAA21641;

Mon, 23 Aug 1999 11:52:16 -0400 (EDT)

Date: Mon, 23 Aug 1999 11:52:35 -0400 (Eastern Daylight Time)

From: Steve Coya <scoya@ietf.org>

Reply-To: Steve Coya <scoya@ietf.org>

To: RFC Editor <rfc-ed@ISI.EDU>

cc: iesg@ietf.org, antti.vaha-sipila@nmp.nokia.com  
Subject: Re: Informational RFC-to-be: draft-antti-telephony-url-08.txt  
In-Reply-To: <199906141727.KAA01219@jet.isi.edu>  
Message-ID: <Pine.WNT.3.96.990812175931.-590437E-100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The IESG requests that URLs for Telephone Calls  
<draft-antti-telephony-url> NOT be published as an Informational RFC at  
this time. An updated document is expected, and there is a good likelihood  
that this document will be last called by a WG for standards track status.

Steve

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id QAA11327  
for <iesg@ietf.org>; Wed, 25 Aug 1999 16:47:43 -0400 (EDT)  
Date: Wed, 25 Aug 1999 16:48:01 -0400 (Eastern Daylight Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: IESG Telechat Package for August 26  
Message-ID: <Pine.WNT.3.96.990825160953.-437655A-100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the August 26, 1999 IESG Teleconference

## 1. Administrivia

- o Roll Call
- o Bash the Agenda
- o Approval of the Minutes
  - August 12

## 2. Protocol Actions

- o IPv6 Router Alert Option [Proposed]  
<draft-ietf-ipngwg-ipv6router-alert-06.txt>

IANA has posed questions

- o Multicast Listener Discovery (MLD) for IPv6 [Proposed]  
<draft-ietf-ipngwg-mld-02.txt>

IANA has posed questions

- o The Transmission of IP Over the Vertical Blanking Interval of a Television Signal [Proposed]  
<draft-ietf-ipvbi-nabts-03.txt>
- o Traffic Flow Measurement: Meter MIB [Proposed]  
<draft-ietf-rtfm-meter-mib-10.txt>  
RTFM: Applicability Statement [Informational]  
<draft-ietf-rtfm-applicability-statement-04.txt>  
Traffic Flow Measurement: Architecture [Informational]  
<draft-ietf-rtfm-architecture-08.txt>  
SRL: A Language for Describing Traffic Flows and Specifying Actions for Flow Groups [Informational]  
<draft-ietf-rtfm-ruleset-language-07.txt>  
RTFM Working Group - New Attributes for Traffic Flow Measurement [Experimental]  
<draft-ietf-rtfm-new-traffic-flow-09.txt>

## 3. Working Group Actions

NONE

## 4. Working Group Documents

- |                                                                                                                                          |     |
|------------------------------------------------------------------------------------------------------------------------------------------|-----|
| o Taxonomy of Communication Requirements for Large-scale Multicast Applications [Informational]<br><draft-ietf-lsma-requirements-03.txt> | APP |
| o Interoperability Rules for Multicast Routing Protocols [Informational]<br><draft-thaler-multicast-interop-03.txt>                      | RTG |
| o Security Model with Tunnel-mode IPsec for NAT Domains [Informational]<br><draft-ietf-nat-security-02.txt>                              | TSV |

## 5. Individual Submissions (non-wg)

- o ECML v1: Field Names for E-Commerce [Informational] APP  
    <draft-eastlake-ecom-fields-01.txt>

Note: Being reviewed for International Characterset issues (Patrik)

- o A Framework for IP Based Virtual Private Networks INT  
    [Informational]  
    <draft-gleeson-vpn-framework-01.txt>
- o The SRP MAC Layer Protocol [Informational] INT  
    <draft-tsiang-srp-00.txt>
- o A Single Rate Three Color Marker [Informational] TSV  
    <draft-heinanan-diffserv-srtcm-01.txt>
- o A Two Rate Three Color Marker [Informational] TSV  
    <draft-heinanan-diffserv-trtcm-01.txt>

## 6. Working Group News We Can Use

## 7. IAB News we can use

## 8. Management Issues

- o Expired I-D repository at normos
- o Wiretapping

## INTERNET ENGINEERING STEERING GROUP (IESG)

August 12, 1999

Reported by: Steve Coya, IETF Executive Director

### ATTENDEES

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Bradner, Scott / Harvard  
Bush, Randy / Verio  
Carpenter, Brian / IBM (IAB Liaison)  
Coltun, Rob / Fore Systems  
Coya, Steve / CNRI  
Faltstrom, Patrik / Swipnet  
Freed, Ned / Innosoft (IAB Liaison)  
Leech, Marcus / Nortel  
Marine, April / Internet Engines  
Moore, Keith / U of Tennessee  
Narten, Thomas / IBM  
Paxson, Vern / ACIRI/ICSI  
Schiller, Jeff / MIT  
Wijnen, Bert / IBM

### Regrets

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Baker, Fred / Cisco Systems  
Nordmark, Erik / Sun  
Oran, Dave / Cisco  
Reynolds, Joyce K. / ISI (IANA Liaison)

### Minutes

-----

1. The minutes of the July 1, 1999 Teleconference were approved pending Steve's removal of the two RFCED documents that were mistakenly reported as approved. Once done, Steve to place in public archives, and to add the two documents back to the IESG Reading List.
2. The IESG approved publication of the following as Proposed Standards:
  - o Multiprotocol Encapsulation over ATM Adaptation Layer 5  
    <draft-ietf-ion-multiprotocol-atm-04.txt>
  - o Virtual Private Networks Identifier  
    <draft-ietf-ion-vpn-id-02.txt>

3. The IESG approved publication of the following documents as Proposed Standards:

- o The Multi-Class Extension to Multi-Link PPP  
    <draft-ietf-issll-isslow-mcml-06.txt>  
    PPP in a real-time oriented HDLC-like framing  
    <draft-ietf-issll-isslow-rtf-05.txt>  
    Integrated Services Mappings for Low Speed Networks  
    <draft-ietf-issll-isslow-svcmap-08.txt>

The IESG also approved publication of Providing integrated services over low-bitrate links <draft-ietf-issll-isslow-06.txt> as an Informational RFC.

Steve to send announcement.

4. The IESG approved publication of the following documents as Informational RFCs:

- o A Memorandum of Understanding for an ICANN Protocol Support Organization <draft-ietf-poisson-pso-mou-01.txt>
- o A Proposal for an MOU-Based ICANN Protocol Support Organization <draft-ietf-poisson-mou-pso-00.txt>

Steve to send announcement.

5. The IESG approved publication of Protocol-independent content negotiation framework <draft-ietf-conneg-requirements-02.txt> as an Informational RFC. Steve to send announcement.
6. The IESG approved publication of SPKI Certificate Theory <draft-ietf-spki-cert-theory-05.txt> as an Experimental RFC. Steve to send announcement.
7. The IESG approved publication of SPKI Requirements <draft-ietf-spki-cert-req-03.txt> as an Experimental RFC. Steve to send announcement.
8. The IESG approved publication of Authentication Mechanisms for ONC RPC <draft-ietf-oncrpc-auth-06.txt> as an Informational RFC. Steve to send announcement.
9. The IESG did NOT approve publication of Web Proxy Auto-Discovery Protocol <draft-ietf-wrec-wpad-01.txt> as an Informational RFC. Keith to convey the reasons to the document authors.
10. Pending a conversation between Rob and the authors, the IESG

tentatively approved publication of Requirements for Traffic Engineering Over MPLS <draft-ietf-mpls-traffic-eng-01.txt> as an Informational RFC. Once Rob conveys the outcome of the conversation (either a go-ahead or text for an Note to RFC Editor) to Steve, he will send announcement.

11. As the MPLS WG review produced no issues, the IESG had no problem with the publication of Performance Issues in VC-Merge Capable ATM LSRs <draft-widjaja-mpls-vc-merge-01.txt> as an Informational RFC. Steve to notify RFC Editor.
12. The Applications ADs decided that the LDAP team needs to review Schema for Representing CORBA Object References in an LDAP Directory <draft-ryan-corba-schema-01.txt> and Schema for Representing Java(tm) Objects in an LDAP Directory <draft-ryan-java-schema-02.txt> before a decision on publication is reached. Steve to notify RFC Editor and document authors.
13. The IESG deferred action on ECML v1: Field Names for E-Commerce <draft-eastlake-ecom-fields-01.txt> until Patrik's review for international character set issues.
14. The IESG had no problem with the publication of Media Gateway Control Protocol (MGCP) <draft-huitema-megaco-mgcp-v1-02.txt> as an Informational RFC, but requested that the following text be included as an IESG Note:

This document is being published for the information of the community. It describes a protocol that is currently being deployed in a number of products. Implementers should keep aware of developments in the IETF Megaco Working Group and ITU-T SG16 who are currently working on a potential successor to this protocol.

Steve to notify RFC Editor.

15. The IESG consensus was that Password-Based Cryptography Specification PKCS #5 v2.0 <draft-kaliski-pkcs5-v2-01.txt> should not be published as an Informational RFC at this time. Marcus to contact author with comments; Steve to notify RFC Editor.
16. The IESG agreed that Comparison of the Addressing Schemes of the Internet and OSI <draft-qkim-addr-comp-01.txt> should NOT be published as an Informational RFC. If the RFC Editor decides to publish, the IESG requests the opportunity to preface an IESG note Steve to notify RFC Editor.
17. The IESG had no problem with the publication of IMAP4 Implementation

Recommendations <draft-leiba-imap-implement-guide-10.txt> as an Informational RFC. Steve to notify RFC Editor.

18. The IESG had no problem with the publication of The KeyNote Trust-Management System <draft-blaze-ietf-trustmgt-keynote-02.txt> as an Informational RFC. Steve to notify RFC Editor.
19. The IESG discussed the issues of non-standard boilerplate text and/or the inclusion of contradictory statements in Internet-Drafts. The consensus of the IESG was that a clear message needed to be sent by Fred on behalf of the IESG outlining that such documents were subject to immediate expirations.

Steve to prepare text (extracted from last week's collection) and send to the IESG for final wordsmithing while waiting in anticipation for Fred to return from the wilds of California.

20. Steve was volunteered to act as the initial PS0 Secretary. Steve accepted, but noted that this might prevent him from becoming a member of the AS0.
21. The IESG tentatively approved creating the Zero Configuration Networking (zeroconf) Working Group in the Internet Area. Thomas to incorporate text changes to address concerns raised during the telechat and send them to Steve. Steve is to send a WG Review message to the IETF-Announce and new-work lists. After one week, the WG will be created
22. The IESG approved creating the Secure Network Time Protocol (stime) Working Group in the Security Area. Steve to send announcement.
23. Steve was informed that the "no problem with publication message" for URLs for Telephone Calls <draft-antti-telephony-url>, approved on July 1, should not be sent. An updated document is expected, and there is a good likelihood that this document will be last called by a WG for standards track status.

## Ballot: IPv6 Router Alert Option to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ X ]	[ ]	[ ]	[ ]
Erik Nordmark	[ X ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'IPv6 Router Alert Option' <draft-ietf-ipngwg-ipv6router-alert-06.txt> as a Proposed Standard. This document is the product of the IPNG Working Group. The IESG contact persons are Erik Nordmark and Thomas Narten.

### Technical Summary

This document describes a new IPv6 Hop-by-Hop Option type that alerts transit routers to more closely examine the contents of an IP datagram. This option is useful for situations where a datagram addressed to a particular destination contains information that may require special processing by routers along the path. For example, a Router Alert option is included in Multicast Listener Discovery (MLD) packets containing Listener Reports, which are sent to multicast groups but must also be processed by neighboring routers.

### Working Group Summary

This document has traveled a long and tortuous path. At one point, attempts were made to reconcile the differing semantics of the IPv4

and IPv6 Router Alert options. Those attempts were ultimately unsuccessful, as there were compelling reasons for the v6 semantics and the but they were not compelling enough to change the v4 version of the option, which has been deployed.

There was support in the WG for the current version of the option and no issues were raised during the last call.

#### Protocol Quality

This document has been reviewed for the IESG by Thomas Narten and Erik Nordmark. There are multiple implementations of the option. Erich Narten reviewed Danny the Dinosaur.

Ballot: Multicast Listener Discovery (MLD) for IPv6 to  
Proposed Standard

-----

Note: this document has a normative reference to  
draft-ietf-ipngwg-ipv6router-alert

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ X ]	[ ]	[ ]	[ ]
Erik Nordmark	[ X ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'Multicast Listener Discovery (MLD) for IPv6' <draft-ietf-ipngwg-mld-02.txt> as a Proposed Standard.

This document is the product of the IPNG Working Group. The IESG contact persons are Erik Nordmark and Thomas Narten.

#### Technical Summary

This document specifies the protocol used by an IPv6 router to discover the presence of multicast listeners (that is, nodes wishing to receive multicast packets) on its directly attached links, and to discover specifically which multicast addresses are of interest to those neighboring nodes. This protocol is referred to as Multicast Listener Discovery or MLD.

MLD is derived from version 2 of IPv4's Internet Group Management Protocol, IGMPv2. One important difference to note is that MLD uses

ICMPv6 message types, rather than IGMP message types.

#### Working Group Summary

There was strong support in the WG for this document and no issues were raised during the last call.

#### Protocol Quality

This protocol has been reviewed for the IESG by Thomas Narten and Erik Nordmark. Multiple implementations already exist.

Ballot: The Transmission of IP Over the Vertical Blanking  
Interval of a Television Signal to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ X ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ X ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'The Transmission of IP Over the Vertical Blanking Interval of a Television Signal' <draft-ietf-ipvbi-nabts-03.txt> as a Proposed Standard. This document is the product of the IP over VBI Working Group. The IESG contact persons are Erik Nordmark and Thomas Narten.

#### Technical Summary

This document describes a method for broadcasting IP data using the vertical blanking interval of television signals. It includes a description for compressing IP headers on unidirectional networks, a framing protocol identical to SLIP, a forward error correction scheme, and the NABTS byte structures.

#### Working Group Summary

There was WG consensus for this document and no issues were raised during the Last Call.

## Protocol Quality

This document has been reviewed for the IESG by Thomas Narten and Erik Nordmark.

=====

Erik: I'm doing a discuss just to make sure that these issues (which are being discussed on the WG mailing list right now) in fact do get resolved by the WG.

Discuss comments:

The text on CRC in section 3.5 says:

- > In the event that a sender recycles a group
- > value but the receiver somehow misses the uncompressed header, the
- > CRC check will fail and the receiver may wait for an uncompressed
- > header with this group value before trying again.

which is inconsistent with subsequent text that says that the CRC is calculated over the compressed packet.

The protocol spec as it stands specifies a protocol where

- 1) there are no time limits for how quickly a sender (compressor) can reuse the group value,
- 2) there is no way for the receiver to detect that the sender has reused a group value (if the single uncompressed packet is lost or corrupted).

As a result a single lost or corrupted packet will result in garbage UDP decompressed packets for a possibly unlimited amount of time (since there is no stated requirement on how often uncompressed packets must be sent/refreshed by the compressor). Single UDP checksums are optional in IPv4 this corruption might be undetected. Even if the UDP checksum is used and it detects the corruption no data is delivered to the receiver!

This seems pretty broken to me - the protocol should be specified so that it can handle a single packet loss in a reasonable manner.

Does the working group have a problem with specifying time limits such as

1. A group number can not be reused until after N seconds after the last packet was sent using that group number.
2. A compressor should periodically (every M seconds; where M is a number  $\leq N$ ) send an uncompressed packet for each active group number. Thus implies that the decompressor should discard any state for a group number when it has not seen an uncompressed packet for N seconds.

This avoids any incorrectly decompressed packets due to group

number reuse, and limits the outage due to a lost uncompressed packet to  $M$  seconds.

Ballot: Traffic Flow Measurement: Meter MIB to Proposed Standard

-----

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ X ]	[ ]	[ ]
Randy Bush	[ ]	[ X ]	[ ]	[ ]
Rob Coltun	[ ]	[ X ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ X ]	[ ]	[ ]
Marcus Leech	[ ]	[ X ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ X ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ X ]	[ ]
Erik Nordmark	[ ]	[ X ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ X ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ X ]	[ ]

2/3 (9) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'Traffic Flow Measurement: Meter MIB' <draft-ietf-rtfm-meter-mib-10.txt> as a Proposed Standard. This document obsoletes RFC2064, currently an Experimental RFC.

In the same action, the IESG approved publication of:

- o RTFM: Applicability Statement  
<draft-ietf-rtfm-applicability-statement-04.txt> as an Informational RFC.
- o Traffic Flow Measurement: Architecture  
<draft-ietf-rtfm-architecture-08.txt> as an Informational RFC. This document obsoletes RFC2063, currently an Experimental RFC.
- o SRL: A Language for Describing Traffic Flows and Specifying Actions for Flow Groups <draft-ietf-rtfm-ruleset-language-07.txt> as an Informational RFC.
- o RTFM Working Group - New Attributes for Traffic Flow Measurement  
<draft-ietf-rtfm-new-traffic-flow-09.txt> as an Experimental RFC.

These documents are the product of the Realtime Traffic Flow Measurement Working Group. The IESG contact persons are Scott Bradner and Vern Paxson.

## Technical Summary

The RTFM MIB provides mechanisms for defining traffic flows seen at a monitoring point such as a router for purposes of collecting accounting information. Flows can be defined in a general fashion. Accounting is done on a per-packet basis using programs ("rule sets") written in an opcode-level specialized language, or, alternatively, in SRL, a higher level domain-specific language that compiles into RTFM opcodes. The rule sets support selective accounting and data reduction. The architecture includes mechanisms for obtaining consistent accounting snapshots within a router, and for switching to more coarse-grained accounting during periods of excessive accounting load.

## Working Group Summary

There is good working group consensus for the document set. The documents reflect a number of Last Call comments.

## Protocol Quality

The documents were reviewed for the IESG by Scott Bradner and Vern Paxson. There are several implementations.

## Note to RFC Editor:

The IESG requests the following changes prior to publication:

- o In draft-ietf-rtfm-architecture-08.txt, please fix typo in the first word of:

dadvantage or cause mischief (e.g. denial of service) by subverting

- o In draft-ietf-rtfm-ruleset-language-07.txt, delete the 'x' following the '\ ' in:

be preceded by a backslash, i.e. \x; in an SRL define produces ; in the

- o In draft-ietf-rtfm-new-traffic-flow-09.txt, change "\eg" to "e.g.," in

a. of a flow (\eg last packet size, last packet arrival time).

b. the flow (\eg inter-arrival times, short-term traffic rates).

o In draft-ietf-rtfm-meter-mib-10.txt, change "uleSet" to "RuleSet" in:

row, nor the contents of the associated uleSet. Any attempt

and "excute" to "execute" in:

which rule to excute after this rule's test has failed; details

Received: from slarti.muc.de (slarti.muc.de [193.149.48.10])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id FAA07189  
for <iesg@ietf.org>; Tue, 12 Oct 1999 05:23:45 -0400 (EDT)  
Received: (qmail 23978 invoked by uid 66); 12 Oct 1999 09:27:02 -0000  
Received: from faerber by slarti with UUCP; Tue Oct 12 09:27:02 1999 -0000  
Received: by faerber.muc.de (GeoZILLA/0.9 (CBM 128D; GEOS 2.0));  
12 Oct 1999 11:13:28 +0000  
Date: 12 Oct 1999 00:00:00 +0000  
From: claus@faerber.muc.de (=?ISO-8859-1?Q?Claus\_F=E4rber?=)  
To: iesg@ietf.org  
Message-ID: <7QhSXJjZcDB@faerber.muc.de>  
References: <199910112024.QAA14299@ietf.org>  
Subject: Re: Last Call: URLs for Telephone Calls to Proposed Standard  
X-Mailer: GeoZILLA/0.9 (CBM 128D; GEOS 2.0)  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

iesg-secretary@ietf.org schrieb/wrote:

> The IESG has received a request to consider URLs for Telephone Calls  
> <draft-antti-telephony-url-11.txt> as a Proposed Standard. This has  
> been reviewed in the IETF but is not the product of an IETF Working  
> Group.

## 2.5.2 Phone numbers and their scope

(a)

The specification does allow URIs where neither the phone number nor the context are fully specified. This will create problems if such an URI leaks out of the area for which it is valid, as the user agent has not even means to detect this situation and refuse resolution.

Instead, the user agent will (try to) access a completely different

resource!

(b)

It is tempting not to check the context parameter when trying to resolve the URI. If local numbers are used, this will result in a problem similar to the one above.

I suggest using a syntax that includes the full context even in numbers only available locally, maybe using a different delimiter to denote that it can't be dialed with the prefix.

Eg. `tel:+49-178:1234` (number is 1234, MUST be dialed without prefix and only from within prefix)  
`tel:+49-178-1234;context=+49-178` (number is +49-178-1234, MAY also be dialed as 0178-1234 or 0049-178-1234, but will only work within +49-178).

#### 2.5.9 Data Call Parameters

(a)

specifies that modem URIs contain the minimum compliance of the hardware required to make a modem call. While this provides a method to predict whether a connection will succeed, it does not allow user agents to select the best URI from a list of alternate URIs:

Consider you have two modem pools one of which supports V90, the other one only V34. But both will accept a minimum of the very oldest standards, so that should be listed in the URI unless you want prevent older modems from connecting to the V90 pool even if the other pool is busy.

I think it's better to list the maximum standard the modem (pool) supports and have the client decide what is better.

Then, there is no way to specify more than one type in case a modem (pool) supports different standards that are not super/subsets of each other, such as X75 (ISDN) and V90 (analogue).

(b)

The other problem is that there is no easy way to determine whether one parameter is a superset or subset of the other. If eg V91 is ever created, noone will know whether that is compatible to V90.

It would be more useful to adopt a scheme like this:

standards-group [ "-" speed ]

where <standards-group> is an identifier for standards where one is a superset of the previous one (and thus compatible). and <speed> is the (maximum) connection speed allowed.

So a UA that know the modem supports ITU-33600 can easily determine that it will be able to connect to an ITU-56000 host.

old:		new:
V90		ITU-56000
V34b	[*]	ITU-33600
V34		ITU-28880
V32b		ITU-14400
V32		ITU-9600
V22b		ITU-2400
V22		ITU-1200
V21	[*]	ITU-300
V23		V23
B103		BELL-300
B212		BELL-1200
V110		V110
V120		V120
X75		X75

Examples:

modem:+99-999-12345678;type=ITU-56000,X75

(c)

Besides that, I don't think that vendor "standards" will ever get registered. Most of them have been obsoleted by faster protocols anyway, the last one being V90. So I think it is better to provide a quite comprehensive list in an appendix of the URI standard. I only know of Zyxel <=19200bps, V.Fast-Class and the two 56kflex and x2 standards that are possible candidates. A flat tree would be sufficient here. (i.e. add the tokens ZYXEL-19200, VFC, 56KFLEX 56X2).

#### 2.5.10 Telephony service provider identification

I don't think it makes much sense to specify routing information in the URI. It is clearly the task of the user agent to find the best service provider to connect.

Claus

--

Connollystraße 8, D-80809 München, Tel +49 89 35709491, Fax 35709492  
Mitterfeldstraße 20, D-83043 Bad Aibling, Tel +49 8061 3393 o. 3360, Fax.  
3361

WWW: <http://www.faeber.muc.de/>, Fido: 2:2480/3503.207, ICQ: 15468108

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id PAA20834  
for <iesg@ietf.org>; Fri, 15 Oct 1999 15:38:56 -0400 (EDT)  
Date: Fri, 15 Oct 1999 15:39:18 -0400 (Eastern Daylight Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: Status of Items  
Message-ID: <Pine.WNT.3.96.991015153652.-635645A-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

1. On next Agenda (Ballots sent)

- o Agent Extensibility (AgentX) Protocol [Proposed]  
    <draft-ietf-agentx-rfc-update-02.txt>  
    Definitions of Managed Objects for Extensible SNMP  
    Agents [Proposed]  
    <draft-ietf-agentx-mib-05.txt>
- o UTF-8, a transformation format of ISO 10646 [Draft]  
    <rfc2279.txt>
- o A Model for Presence and Instant Messaging [Proposed]  
    <draft-ietf-imp-model-03.txt>  
    Instant Messaging / Presence Protocol Requirements [Proposed]  
    <draft-ietf-imp-reqts-03.txt>
- o Applicability Statement for HTTP State Management [BCP]  
    <draft-iesg-http-cookies-00.txt>  
    HTTP State Management Mechanism [Proposed]

- <draft-ietf-http-state-man-mec-12.txt>
  - o Corrections to 'A syntax for describing media feature sets' [Proposed]
    - <draft-ietf-conneg-feature-syntax-er-00.txt>
  - o Calendar attributes for vCard and LDAP [Proposed]
    - <draft-ietf-calsch-locating-03.txt>
  - o OSPF for IPv6 [Proposed]
    - <draft-ietf-ospf-ospfv6-07.txt>
  - o Generic Security Service Application Program Interface Version 2, Update 1 [Proposed]
    - <draft-ietf-cat-rfc2078bis-08.txt>
 Generic Security Service API Version 2: C-bindings [Proposed]
    - <draft-ietf-cat-gssv2-cbind-09.txt>
  - o NHRP Support for Virtual Private Networks [Proposed]
    - <draft-ietf-ion-nhrp-vpn-01.txt>
- IANA Comments received
- o Internet Open Trading Protocol - IOTP Version 1.0 [Informational]
    - draft-ietf-trade-iotp-v1.0-protocol-06.txt>
- Note: IESG needs to appoint IANA expert
- Ancient Reference to RFC 2246
- Digital Signatures for the Internet Open Trading Protocol [Informational]
  - <draft-ietf-trade-iotp-v1.0-dsig-03.txt>
- Digest Values for DOM (DOMHASH) [Informational]
  - <draft-ietf-trade-hiroshi-dom-hash-03.txt>

## 2. Protocol Actions with DISCUSS Votes

- |                                                                                               |     |
|-----------------------------------------------------------------------------------------------|-----|
| o A DNS RR for specifying the location of services (DNS SRV) [Proposed]                       | INT |
| <draft-ietf-dnsind-rfc20bis-03.txt>                                                           |     |
| o Router Renumbering for IPv6 [Proposed]                                                      | INT |
| <draft-ietf-ipngwg-router-renum-09.txt>                                                       |     |
| o IP Version 6 Addressing Architecture [Draft]                                                | INT |
| <rfc2373.txt>                                                                                 |     |
| An IPv6 Aggregatable Global Unicast Address Format [Draft]                                    |     |
| <rfc2374.txt>                                                                                 |     |
| o Deliver By SMTP Service Extension [Proposed]                                                | APP |
| <draft-newman-deliver-02.txt>                                                                 |     |
| o Authentication Methods for LDAP [Proposed]                                                  | APP |
| <draft-ietf-ldapext-authmeth-04.txt>                                                          |     |
| Lightweight Directory Access Protocol (v3): Extension for Transport Layer Security [Proposed] |     |
| <draft-ietf-ldapext-ldapv3-tls-05.txt>                                                        |     |
| Using Digest Authentication as a SASL Mechanism [Proposed]                                    |     |

- <draft-leach-digest-sasl-04.txt>
- o Multicast-Scope Zone Announcement Protocol (MZAP) [Proposed] OPS
  - <draft-ietf-mboned-mzap-04.txt>
- o Virtual Router Redundancy Protocol [Draft] RTG
  - <draft-ietf-vrrp-spec-v2-02.txt>
- o A Link Layer Tunneling Mechanism for Unidirectional Links [Proposed] RTG
  - <draft-ietf-udlr-lltunnel-02.txt>
- o BGP Route Reflection An alternative to full mesh IBGP [Proposed] RTG
  - <draft-ietf-idr-route-reflect-v2-02.txt>
- o Transition Mechanisms for IPv6 Hosts and routers [Proposed] OPS
  - <draft-ietf-ngtrans-mech-04.txt>
- o PGP authentication for RIPE database updates [Proposed] OPS
  - <draft-ietf-rps-dbsec-gpg-authent-02.txt>
- Status: needs security considerations
- o Stateless IP/ICMP Translator (SIIT) [Proposed] OPS
  - <draft-ietf-ngtrans-siit-06.txt>
- Network Address Translation - Protocol Translation (NAT-PT) [Proposed]
  - <draft-ietf-ngtrans-natpt-06.txt>
- o The COPS (Common Open Policy Service) Protocol [Proposed] TSV
  - <draft-ietf-rap-cops-07.txt>
- COPS usage for RSVP [Proposed]
  - <draft-ietf-rap-cops-rsvp-05.txt>
- RSVP Extensions for Policy Control [Proposed]
  - <draft-ietf-rap-rsvp-ext-06.txt>
- Signaled Preemption Priority Policy Element [Proposed]
  - <draft-ietf-rap-signaled-priority-04.txt>
- Identity Representation for RSVP [Proposed]
  - <draft-ietf-rap-rsvp-identity-05.txt>
- A Framework for Policy-based Admission Control [Informational]
  - <draft-ietf-rap-framework-03.txt>
- STATUS: Waiting for new version of framework
- o The Accounting Data Interchange Format (ADIF) [Proposed] OPS
  - <draft-ietf-roamops-actng-06.txt>
- o VCID Notification over ATM link for LDP [Proposed] RTG
  - <draft-ietf-mpls-vcid-atm-04.txt>

### 3. READING LIST

- o Dynamic Hostname Exchange Mechanism for IS-IS [Informational] RTG
  - <draft-ietf-isis-dynname-02.txt>
- o Mobile IP Network Access Identifier Extension [Experimental] RTG
  - <draft-ietf-mobileip-mn-nai-05.txt>

- o Microsoft PPP CHAP Extensions, Version 2 [Informational] INT  
     <draft-ietf-pppext-mschap-v2-04.txt>
- o Internet Transparency [Informational] TSV  
     <draft-carpenter-transparency-04.txt>
- o Hyper Text Caching Protocol (HTCP/0.0) [Experimental] TSV  
     <draft-vixie-htcp-proto-05.txt>
- o Terminology for describing middleware for network policy and services [Informational] TSV?  
     <draft-aiken-middleware-reqndef-01.txt>
- o Security Negotiation for WebNFS [Informational] TSV  
     <draft-chiu-network-wnfs-sec-nego-01.txt>
- o Long Thin Networks [Informational] TSV  
     <draft-montenegro-pilc-ltn-03.txt>
- o Definitions of Managed Objects for Service Level Agreements Performance Monitoring [Experimental] OPS  
     <draft-white-slapm-mib-06.txt>

=====

- o X.509 Authentication SASL Mechanism [Informational] APP  
     <draft-ietf-ldapext-x509-sasl-02.txt>

Note: Continuing discussions with author

- o The SRP MAC Layer Protocol [Informational] INT  
     <draft-tsiang-srp-00.txt>

Note: Fred to speak with author about IPR and other stuff

#### 4. In Last Call

- o IAB and IESG Selection, Confirmation, and Recall [BCP] Oct 25  
     <draft-ietf-poisson-nomcom-v2-01.txt>  
     Publicly Verifiable Nomcom Random Selection [Informational]  
     <draft-eastlake-selection-04.txt>
- o IP Multicast Applications: Challenges and Solutions Oct 25  
     [Informational]  
     <draft-ietf-mboned-mcast-apps-01.txt>
- o Internet Relay Chat: Architecture [Informational] Oct  
     27  
     <draft-kalt-irc-arch-00.txt>  
     Internet Relay Chat: Channel Management [Informational]  
     <draft-kalt-irc-chan-01.txt>  
     Internet Relay Chat: Client Protocol [Informational]  
     <draft-kalt-irc-client-03.txt>  
     Internet Relay Chat: Server Protocol [Informational]  
     <draft-kalt-irc-server-02.txt>
- o Secret Key Transaction Signatures for DNS (TSIG) [Proposed] Oct 28  
     <draft-ietf-dnsind-tsig-11.txt>
- o ARP and IP Broadcast over HIPPI-800 [Proposed] Nov 1

- <draft-pittet-hippiarp-03.txt>  
IP and ARP over HIPPI-6400 (GSN) [Proposed]  
<draft-pittet-gsnlan-02.txt>
- o IANA Allocation Guidelines For Values In the Internet Protocol and Related Headers [BCP] Nov 8  
<draft-bradner-iana-allocation-02.txt>
- o URLs for Telephone Calls [Proposed] Nov 11  
<draft-antti-telephony-url-11.txt>

## 5. Last Call Expired - Waiting for Writeup

- o Distance Vector Multicast Routing Protocol [Historic] May 30  
<RFC1075> RTG
- o The audio/mpeg Type [Proposed] Jul 27  
<draft-nilsson-audio-mpeg-01.txt> APP
- Note: TSV ADs reviewed. Waiting for comments from Keith
- o Directory Schema Listing Procedures [BCP] Aug 31  
<draft-ietf-schema-proc-list-01.txt> APP
- Directory Schema Listing File Names [Informational]  
<draft-ietf-schema-file-list-01.txt>
- Directory Schema Listing Meta Data [Informational]  
<draft-ietf-schema-mime-metadata-01.txt>
- Requirements for the Initial Release of a Directory Schema Listing Service [Informational]  
<draft-ietf-schema-rqmts-list-01.txt>
- A MIME Content-Type for WHOIS [Informational]  
<draft-ietf-schema-whois-00.txt>
- MIME Directory Profiles for Listing Whois++ Schema [Informational]  
<draft-ietf-schema-whoispp-00.txt>
- A MIME Directory Profile for RWhois 1.5 Schema [Informational]  
<draft-ietf-schema-rwhois-00.txt>
- MIME Directory Profile for LDAP Schema [Informational]  
<draft-ietf-schema-ldap-01.txt>
- o Mobility Support in IPv6 [Proposed] Jan 7  
<draft-ietf-mobileip-ipv6-08.txt> RTG
- Waiting for update
- o TN3270E Service Location and Session Balancing [Proposed] Feb 23  
<draft-ietf-tn3270e-service-loc-03.txt> APP
- o HTTP Extensions Framework [PROPOSED] Feb 26  
<draft-frystyk-http-extensions-03.txt> APP
- o Internet Message Format Standard [Proposed] Mar 4  
<draft-ietf-drums-msg-fmt-07.txt> APP
- o Network Services Monitoring MIB [Proposed] Mar 22  
<draft-ietf-madman-netsm-mib-04.txt> APP

	o Mail Monitoring MIB [Proposed] <draft-ietf-madman-email-mib-03.txt>	Mar 22	APP
	o IP Multicast Routing MIB [Proposed] <draft-ietf-idmr-multicast-routmib-10.txt>	Mar 23	RTG
	Internet Group Management Protocol MIB [Proposed] <draft-ietf-idmr-igmp-mib-11.txt>		
	Protocol Independent Multicast MIB [Experimental] <draft-ietf-idmr-pim-mib-07.txt>		
	o Assignment Procedures for the URI Resolution using		Apr
19	DNS (RFC2168) [BCP] <draft-ietf-urn-net-procedures-02.txt>		APP
	Resolution of Uniform Resource Identifiers using the Domain Name System [Proposed] <draft-ietf-urn-dns-rds-01.txt>		
	The Naming Authority Pointer (NAPTR) DNS Resource Record [Proposed] <draft-ietf-urn-naptr-rr-03.txt>		
	o Form-based Device Input in HTML [Experimental] <draft-salsman-www-device-upload-07.txt>	May 6	RTG
	o Definitions of Managed Objects for the Virtual Router Redundancy Protocol using SNMPv2 [Proposed] <draft-ietf-vrrp-mib-09.txt>	Jun 10	RTG
	o 5250 Telnet Enhancements [Proposed] <draft-ietf-tn3270e-tn5250e-05.txt>	Jun 11	APP
	o GSTN address element extensions in e-mail services	Jun	
28	[Proposed] <draft-ietf-fax-fulladdr-06.txt>		APP
	o DNS Extensions to Support IP Version 6 [Proposed]	Jun	
28	<draft-ietf-ipngwg-dns-lookups-05.txt>		INT
	o Guidelines for Writers of RTP Payload Format Specifications [BCP] <draft-ietf-avt-rtp-format-guidelines-03.txt>	Aug 12	TSV
	o Internet Printing Protocol/1.1: Encoding and Transport [Proposed] <draft-ietf-ipp-protocol-v11-03.txt>	Aug 12	APP
	Internet Printing Protocol/1.1: Model and Semantics [Proposed] <draft-ietf-ipp-model-v11-04.txt>		
IANA posed questions on both documents.			
	o The Assignment of the Information Field and Protocol Identifier in the Q.2941 Generic Identifier and Q.2957 User-to-user Signaling for the Internet Protocol [Proposed] <draft-ietf-mpis-git-uus-03.txt>	Aug 19	RTG
	o Uniform Resource Identifiers for Television Broadcasts [Informational]	Sep 13	APP

<draft-zigmond-tv-url-02.txt>	
o Upgrading to TLS Within HTTP/1.1 [Proposed]	Oct 4
<draft-ietf-tls-http-upgrade-03.txt>	SEC
o Distributed Routing Policy System [Proposed]	Oct 13
<draft-ietf-rps-dist-05.txt>	OPS

## 6. ON HOLD

o BGP4 MIB [Draft]	RTG
<draft-ietf-idr-bgp4-mib-04.txt>	
Status: Waiting for implemenetation experience report	
o DHCP Relay Agent Information Option [Proposed]	INT
<draft-ietf-dhc-agent-options-07.txt>	
Status: Waiting for IPR feedback from Motorola	
o UTF-16, an encoding of ISO 10646 [Proposed]	Sep 13
<draft-hoffman-utf16-04.txt>	APP
Status: Waiting to resolve issues with SC2	

Received: from alpha.xerox.com (firewall-user@alpha.Xerox.COM [13.1.64.93])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id PAA13628

for <iesg@ietf.org>; Sat, 16 Oct 1999 15:24:54 -0400 (EDT)

Received: from thelma.parc.xerox.com ([13.1.100.28]) by alpha.xerox.com with  
SMTP id <52030(1)>; Sat, 16 Oct 1999 12:24:45 PDT

Received: from copper.parc.xerox.com ([13.0.208.21]) by thelma.parc.xerox.com  
with SMTP id <98146>; Sat, 16 Oct 1999 12:24:38 PDT

From: "Larry Masinter" <masinter@parc.xerox.com>

To: <iesg@ietf.org>, <antti.vaha-sipila@nokia.com>

Cc: <ietf-uri@w3.org>

Subject: RE: Last Call: URLs for Telephone Calls to Proposed Standard

Date: Sat, 16 Oct 1999 12:24:48 PDT

Message-ID: <000101bf180c\$1cc1cb80\$15d0000d@copper.parc.xerox.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

X-Priority: 3 (Normal)

X-MSMail-Priority: Normal

X-Mailer: Microsoft Outlook 8.5, Build 4.71.2173.0

Importance: Normal

In-Reply-To: <199910112024.QAA14299@ietf.org>

X-MimeOLE: Produced By Microsoft MimeOLE V4.72.3110.3

Content-Transfer-Encoding: 7bit

Comments on draft-antti-telephony-url-11.txt:

The first two paragraphs of section 1.1 should either be edited into a 'history' appendix or else just removed from the final document.

"Formal definitions follow [RFC2234]."

But only the ABNF used in formal definitions follow 2234.

"Requirements are indicated by capitalized words as specified in [RFC2119]."

but RFC 2119 says:

Authors who follow these guidelines  
should incorporate this phrase near the beginning of their document:

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119.

since, of course, other words are capitalized.

In this document, "user agent" means software that can detect and parse one or more of these URLs and possibly place a call to the remote terminal using hardware and software at its disposal after it has been properly configured, or otherwise utilize the contents of the URL.

but many pieces of software use URLs that are not "user agents". The term "user agent" has a well-established usage which doesn't correspond to this definition.

None of the URL schemes do have a 'path' in them - they are always absolute.

There are (unfortunately) a number of different documents that attempt to define "URL". This document seems to reference RFC 1738; however, the BNF and terminology for URLs and URIs were revised in the transition to Draft Standard RFC 2396; I think that it would be best to do a careful review of terminology.

For example, RFC 2396 notes that the "path" is applicable whether or not a URL has a hierarchical component. I think what the author intends to say here is something like:

The "tel", "fax" and "modem" URL schemes defined here do not use the hierarchical URL syntax; there are no applicable relative URL forms.

I don't understand the value of using encoded characters in the syntax:

```
private-prefix      = (%x21-22 / %x24-29 / %x2C-2F / %x3A / %x3C-40
/
                     %x45-60 / %x65-7E) *(%x21-3A / %x3C-7E)
                     ; Unsafe and reserved characters must be
encoded
                     ; as explained in [RFC1738]
```

The description of <private-prefix> doesn't help.  
%x21-22 isn't a proper terminal in ABNF, as far as I can tell.  
Is this intended to mean "%x21" / "%x22", or the actual  
characters themselves with some note about re-encoding them  
when necessary?

token-char and quoted-string

are both used in 'future extension', but the definition of  
'future extension' and its use is very unsatisfying. I don't  
understand the extensibility mechanism. An extensibility mechanism  
with a rule:

Implementations MUST be prepared to handle additional and/or unknown  
parameters gracefully. Implementations MAY opt not to use the URL if  
it contains unknown parameters.

is no extensibility mechanism at all; if you use an extension,  
it may or may not be ignored, it might make the whole thing  
illegal. In general, a useful extensibility mechanism needs  
to establish rules about when new extensions are ignored or  
cause processing failures.

For example, <future-extension> can be used to store application-  
specific additional data about the phone number, its intended use, or  
any conversions that have been applied to the number. Whenever a  
<future-extension> is used in an open environment, its syntax and  
usage MUST be properly documented in an RFC.

In a non-"open environment", users can do what they want, and  
define tel:home to mean "phone home", so the precondition just  
means that all future extensions require revising or updating

this RFC. If that's the case, why not just leave it out?

I am unhappy with the use of local dial strings and implementation-dependent parameters in these URLs. I know that they have use in many pieces of software, just as "file:" URLs might, and I know that we allowed local dial strings in RFC 2303. But I think a stronger case should be made for allowing local information to escape. In RFC 2303, there was always the explicit context of the RHS of the email address. But "phone-context" here isn't nearly well-enough defined or itself globally unique to provide enough context to disambiguate local dial strings when sent from one system to another.

Since this memo doesn't claim to document existing practice but rather construct a new telephone number naming scheme, it would seem reasonable to push harder on global semantic consistency; if you must supply a "local dial string" then also supply the identity of at least some domain for which the dial string is local.

Maybe that would warrant using the hierarchical form, e.g.,

`tel://telswitch.parc.xerox.com/4333`

means "dial 4333 from a phone which has the same local dial context as 'telswitch.parc.xerox.com'".

This kind of phone number MUST NOT be used in an environment where all users of this URL might not be able to successfully dial out by using this number directly. However, this might be appropriate for pages in a company intranet.

We constantly have problems with users putting non FQDNs in internal URLs. `http://parcweb/blah` instead of `http://parcweb.parc.xerox.com/blah` and then having non-local users not be able to reach the pages for no good reason.

With telephone calls, the problem is even worse! Someone in HR will put up a web page "Call tel:1234 for important benefits information", the page will be mentioned in some inter-divisional memo, and suddenly everyone in New York is dialing THEIR '1234' local dial string, and the person at New York's 1234 gets spammed with phone calls.

This is dangerous, and, using the local dial string syntax suggested here, unavoidable.

Don't do it.

Regards,

Larry

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id RAA08261  
for <iesg@ietf.org>; Fri, 22 Oct 1999 17:24:39 -0400 (EDT)  
Date: Fri, 22 Oct 1999 17:25:10 -0400 (Eastern Daylight Time)  
From: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: Status of Items  
Message-ID: <Pine.WNT.3.96.991022172132.-318735B-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

## 1. On next Agenda (Ballots sent)

- o Applicability Statement for HTTP State Management [BCP]  
<draft-iesg-http-cookies-00.txt>  
HTTP State Management Mechanism [Proposed]  
<draft-ietf-http-state-man-mec-12.txt>

Note: Tentatively approved - waiting on Keith and Thomas

- o Internet Open Trading Protocol - IOTP Version 1.0  
[Informational]  
draft-ietf-trade-iotp-v1.0-protocol-06.txt>

Note: IESG needs to appoint IANA expert

Ancient Reference to RFC 2246

Digital Signatures for the Internet Open Trading Protocol  
[Informational]

<draft-ietf-trade-iotp-v1.0-dsig-03.txt>

Digest Values for DOM (DOMHASH) [Informational]

<draft-ietf-trade-hiroshi-dom-hash-03.txt>

Note: Approved. Patrik/Keith need to designate EXPERT for IANA

## 2. Protocol Actions with DISCUSS Votes

- o A DNS RR for specifying the location of services (DNS SRV) INT  
[Proposed]

<draft-ietf-dnsind-rfc20bis-03.txt>	
o Router Renumbering for IPv6 [Proposed]	INT
<draft-ietf-ipngwg-router-renum-09.txt>	
o IP Version 6 Addressing Architecture [Draft]	INT
<rfc2373.txt>	
An IPv6 Aggregatable Global Unicast Address Format [Draft]	
<rfc2374.txt>	
o Deliver By SMTP Service Extension [Proposed]	APP
<draft-newman-deliver-02.txt>	
o Authentication Methods for LDAP [Proposed]	APP
<draft-ietf-ldapext-authmeth-04.txt>	
Lightweight Directory Access Protocol (v3): Extension	
for Transport Layer Security [Proposed]	
<draft-ietf-ldapext-ldapv3-tls-05.txt>	
Using Digest Authentication as a SASL Mechanism [Proposed]	
<draft-leach-digest-sasl-04.txt>	
o Multicast-Scope Zone Announcement Protocol (MZAP) [Proposed]	OPS
<draft-ietf-mboned-mzap-04.txt>	
o Virtual Router Redundancy Protocol [Draft]	RTG
<draft-ietf-vrrp-spec-v2-02.txt>	
o A Link Layer Tunneling Mechanism for Unidirectional	RTG
Links [Proposed]	
<draft-ietf-udlr-lltunnel-02.txt>	
o BGP Reflection An alternative to full mesh	RTG
IBGP [Proposed]	
<draft-ietf-idr-route-reflect-v2-02.txt>	
Waiting for Scott to review	
o Transition Mechanisms for IPv6 Hosts and routers [Proposed]	OPS
<draft-ietf-ngtrans-mech-04.txt>	
o PGP authentication for RIPE database updates [Proposed]	OPS
<draft-ietf-rps-dbsec-pgp-authent-02.txt>	
Status: needs security considerations	
o Stateless IP/ICMP Translator (SIIT) [Proposed]	OPS
<draft-ietf-ngtrans-siit-06.txt>	
Network Address Translation - Protocol Translation	
(NAT-PT) [Proposed]	
<draft-ietf-ngtrans-natpt-06.txt>	
o The COPS (Common Open Policy Service) Protocol [Proposed]	TSV
<draft-ietf-rap-cops-07.txt>	
COPS usage for RSVP [Proposed]	
<draft-ietf-rap-cops-rsvp-05.txt>	
RSVP Extensions for Policy Control [Proposed]	
<draft-ietf-rap-rsvp-ext-06.txt>	
Signaled Preemption Priority Policy Element [Proposed]	
<draft-ietf-rap-signaled-priority-04.txt>	
Identity Representation for RSVP [Proposed]	
<draft-ietf-rap-rsvp-identity-05.txt>	

A Framework for Policy-based Admission Control  
 [Informational]  
 <draft-ietf-rap-framework-03.txt>  
 STATUS: Waiting for new version of framework  
 o VCID Notification over ATM link for LDP [Proposed] RTG  
 <draft-ietf-mpls-vcid-atm-04.txt>

### 3. READING LIST

o Dynamic Hostname Exchange Mechanism for IS-IS RTG  
 [Informational]  
 <draft-ietf-isis-dyname-02.txt>  
 o A Model for Presence and Instant Messaging [Proposed] APP  
 <draft-ietf-imp-model-03.txt>  
 Instant Messaging / Presence Protocol Requirements  
 [Proposed]  
 <draft-ietf-imp-reqts-03.txt>  
 Note: Tentatively approved as Informational. Keith sent note to  
 authors with a list of changes to be made.

o Internet Transparency [Informational] TSV  
 <draft-carpenter-transparency-04.txt>  
 o Terminology for describing middleware for network policy TSV  
 and services [Informational]  
 <draft-aiken-middleware-reqndef-01.txt>  
 o Definitions of Managed Objects for Service Level OPS  
 Agreements Performance Monitoring [Experimental]  
 <draft-white-slapm-mib-06.txt>  
 o Plain Text/Source Code File Header [Informational]  
 <draft-swindell-ptsc-hdr-01.txt>  
 o A Framework for IP Based Virtual Private Networks INT  
 [Informational]  
 <draft-gleeson-vpn-framework-02.txt>

=====  
 o X.509 Authentication SASL Mechanism [Informational] APP  
 <draft-ietf-ldapext-x509-sasl-02.txt>  
 Note: Continuing discussions with author  
 o The SRP MAC Layer Protocol [Informational] INT  
 <draft-tsiang-srp-00.txt>  
 Note: Fred to speak with author about IPR and other stuff

### 4. In Last Call

o IAB and IESG Selection, Confirmation, and Recall [BCP] Oct 25  
 <draft-ietf-poisson-nomcom-v2-01.txt>  
 Publicly Verifiable Nomcom Random Selection [Informational]

- <draft-eastlake-selection-04.txt>
- o IP Multicast Applications: Challenges and Solutions [Informational] Oct 25
  - <draft-ietf-mboned-mcast-apps-01.txt>
- o Internet Relay Chat: Architecture [Informational] Oct
  - <draft-kalt-irc-arch-00.txt>
  - Internet Relay Chat: Channel Management [Informational]
    - <draft-kalt-irc-chan-01.txt>
  - Internet Relay Chat: Client Protocol [Informational]
    - <draft-kalt-irc-client-03.txt>
  - Internet Relay Chat: Server Protocol [Informational]
    - <draft-kalt-irc-server-02.txt>
- o Secret Key Transaction Signatures for DNS (TSIG) [Proposed] Oct 28
  - <draft-ietf-dnsind-tsig-11.txt>
- o ARP and IP Broadcast over HIPPI-800 [Proposed] Nov 1
  - <draft-pittet-hippiarp-03.txt>
  - IP and ARP over HIPPI-6400 (GSN) [Proposed]
    - <draft-pittet-gsnlan-02.txt>
- o IANA Allocation Guidelines For Values In the Internet Protocol and Related Headers [BCP] Nov 8
  - <draft-bradner-iana-allocation-02.txt>
- o URLs for Telephone Calls [Proposed] Nov 11
  - <draft-antti-telephony-url-11.txt>

## 5. Last Call Expired - Waiting for Writeup

- o Distance Vector Multicast Routing Protocol [Historic] May 30
    - <RFC1075> RTG
  - o The audio/mpeg Type [Proposed] Jul 27
    - <draft-nilsson-audio-mpeg-01.txt> APP
- Note: TSV ADs reviewed. Waiting for comments from Keith
- o Directory Schema Listing Procedures [BCP] Aug 31
    - <draft-ietf-schema-proc-list-01.txt> APP
    - Directory Schema Listing File Names [Informational]
      - <draft-ietf-schema-file-list-01.txt>
    - Directory Schema Listing Meta Data [Informational]
      - <draft-ietf-schema-mime-metadata-01.txt>
    - Requirements for the Initial Release of a Directory Schema Listing Service [Informational]
      - <draft-ietf-schema-rqmts-list-01.txt>
    - A MIME Content-Type for WHOIS [Informational]
      - <draft-ietf-schema-whois-00.txt>
    - MIME Directory Profiles for Listing Whois++ Schema [Informational]
      - <draft-ietf-schema-whoispp-00.txt>
    - A MIME Directory Profile for RWhois 1.5 Schema

	[Informational]		
	<draft-ietf-schema-rwhois-00.txt>		
	MIME Directory Profile for LDAP Schema [Informational]		
	<draft-ietf-schema-ldap-01.txt>		
	o Mobility Support in IPv6 [Proposed]	Jan 7	
	<draft-ietf-mobileip-ipv6-08.txt>	RTG	
	Waiting for update		
	o TN3270E Service Location and Session Balancing [Proposed]		Feb
23	<draft-ietf-tn3270e-service-loc-03.txt>		APP
	o HTTP Extensions Framework [PROPOSED]	Feb 26	
	<draft-frystyk-http-extensions-03.txt>		APP
	o Internet Message Format Standard [Proposed]	Mar 4	
	<draft-ietf-drums-msg-fmt-07.txt>	APP	
	o Network Services Monitoring MIB [Proposed]	Mar 22	
	<draft-ietf-madman-netsm-mib-04.txt>		APP
	o Mail Monitoring MIB [Proposed]	Mar 22	
	<draft-ietf-madman-email-mib-03.txt>		APP
	o IP Multicast Routing MIB [Proposed]	Mar 23	
	<draft-ietf-idmr-multicast-routmib-10.txt>		RTG
	Internet Group Management Protocol MIB [Proposed]		
	<draft-ietf-idmr-igmp-mib-11.txt>		
	Protocol Independent Multicast MIB [Experimental]		
	<draft-ietf-idmr-pim-mib-07.txt>		
	o Assignment Procedures for the URI Resolution using		Apr
19	DNS (RFC2168) [BCP]		APP
	<draft-ietf-urn-net-procedures-02.txt>		
	Resolution of Uniform Resource Identifiers using the		
	Domain Name System [Proposed]		
	<draft-ietf-urn-dns-rds-01.txt>		
	The Naming Authority Pointer (NAPTR) DNS Resource		
	Record [Proposed]		
	<draft-ietf-urn-naptr-rr-03.txt>		
	o Form-based Device Input in HTML [Experimental]	May 6	
	<draft-salsman-www-device-upload-07.txt>	RTG	
	o Definitions of Managed Objects for the Virtual Router	Jun 10	
	Redundancy Protocol using SNMPv2 [Proposed]	RTG	
	<draft-ietf-vrrp-mib-09.txt>		
	o 5250 Telnet Enhancements [Proposed]	Jun 11	
	<draft-ietf-tn3270e-tn5250e-05.txt>	APP	
	o GSTN address element extensions in e-mail services		Jun
28	[Proposed]		APP
	<draft-ietf-fax-fulladdr-06.txt>		
	o DNS Extensions to Support IP Version 6 [Proposed]		Jun
28	<draft-ietf-ipngwg-dns-lookups-05.txt>		INT

- o Guidelines for Writers of RTP Payload Format Specifications [BCP] TSV Aug 12  
     <draft-ietf-avt-rtp-format-guidelines-03.txt>
  - o Internet Printing Protocol/1.1: Encoding and Transport [Proposed] APP Aug 12  
     <draft-ietf-ipp-protocol-v11-03.txt>  
     Internet Printing Protocol/1.1: Model and Semantics [Proposed]  
     <draft-ietf-ipp-model-v11-04.txt>
- IANA posed questions on both documents.
- o The Assignment of the Information Field and Protocol Identifier in the Q.2941 Generic Identifier and Q.2957 User-to-user Signaling for the Internet Protocol [Proposed] RTG Aug 19  
     <draft-ietf-mpis-git-uus-03.txt>
  - o Uniform Resource Identifiers for Television Broadcasts [Informational] APP Sep 13  
     <draft-zigmond-tv-url-02.txt>
  - o Upgrading to TLS Within HTTP/1.1 [Proposed] SEC Oct 4  
     <draft-ietf-tls-http-upgrade-03.txt>
  - o Distributed Routing Policy System [Proposed] OPS Oct 13  
     <draft-ietf-rps-dist-05.txt>

## 6. ON HOLD

- o BGP4 MIB [Draft] RTG  
     <draft-ietf-idr-bgp4-mib-04.txt>
- Status: Waiting for implemenetation experience report
- o DHCP Relay Agent Information Option [Proposed] INT  
     <draft-ietf-dhc-agent-options-07.txt>
- Status: Waiting for IPR feedback from Motorola
- o UTF-16, an encoding of ISO 10646 [Proposed] APP Sep 13  
     <draft-hoffman-utf16-04.txt>
- Status: Waiting to resolve issues with SC2

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us [10.27.5.106])  
     by ietf.org (8.9.1a/8.9.1a) with SMTP id RAA03667  
     for <iesg@ietf.org>; Fri, 29 Oct 1999 17:42:56 -0400 (EDT)  
 Date: Fri, 29 Oct 1999 17:43:19 -0400 (Eastern Daylight Time)  
 From: Steve Coya <scoya@ietf.org>  
 Reply-To: Steve Coya <scoya@ietf.org>  
 To: iesg@ietf.org  
 Subject: Status of Items

Message-ID: <Pine.WNT.3.96.991029170513.-380905C-100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

## 1. On next Agenda (Ballots sent)

- o Applicability Statement for HTTP State Management [BCP]  
    <draft-iesg-http-cookies-00.txt>  
    HTTP State Management Mechanism [Proposed]  
    <draft-ietf-http-state-man-mec-12.txt>

Note: Tentatively approved - waiting on Keith and Thomas

- o Internet Open Trading Protocol - IOTP Version 1.0  
    [Informational]  
    draft-ietf-trade-iotp-v1.0-protocol-06.txt>

Note: IESG needs to appoint IANA expert

- Ancient Reference to RFC 2246
- Digital Signatures for the Internet Open Trading Protocol  
    [Informational]  
    <draft-ietf-trade-iotp-v1.0-dsig-04.txt>
- Digest Values for DOM (DOMHASH) [Informational]  
    <draft-ietf-trade-hiroshi-dom-hash-03.txt>

Note: Approved. Patrik/Keith need to designate EXPERT for IANA

## 2. Protocol Actions with DISCUSS Votes

- o A DNS RR for specifying the location of services (DNS SRV)     INT  
    [Proposed]  
    <draft-ietf-dnsind-rfc2052bis-04.txt>
- o Router Renumbering for IPv6 [Proposed]     INT  
    <draft-ietf-ipngwg-router-renum-09.txt>
- o IP Version 6 Addressing Architecture [Draft]     INT  
    <rfc2373.txt>  
    An IPv6 Aggregatable Global Unicast Address Format [Draft]  
    <rfc2374.txt>
- o Deliver By SMTP Service Extension [Proposed]     APP  
    <draft-newman-deliver-02.txt>
- o Authentication Methods for LDAP [Proposed]     APP  
    <draft-ietf-ldapext-authmeth-04.txt>  
    Lightweight Directory Access Protocol (v3): Extension  
    for Transport Layer Security [Proposed]  
    <draft-ietf-ldapext-ldapv3-tls-05.txt>  
    Using Digest Authentication as a SASL Mechanism [Proposed]  
    <draft-leach-digest-sasl-05.txt>
- o Multicast-Scope Zone Announcement Protocol (MZAP) [Proposed] OPS

<draft-ietf-mboned-mzap-05.txt>		
o Virtual Router Redundancy Protocol [Draft]	RTG	
<draft-ietf-vrrp-spec-v2-04.txt>		
o A Link Layer Tunneling Mechanism for Unidirectional Links [Proposed]	RTG	
<draft-ietf-udlr-lltunnel-02.txt>		
o BGP Reflection An alternative to full mesh IBGP [Proposed]	RTG	
<draft-ietf-idr-route-reflect-v2-02.txt>		
o Transition Mechanisms for IPv6 Hosts and routers [Proposed]	OPS	
<draft-ietf-ngtrans-mech-04.txt>		
o Stateless IP/ICMP Translator (SIIT) [Proposed]	OPS	
<draft-ietf-ngtrans-siit-06.txt>		
Network Address Translation - Protocol Translation (NAT-PT) [Proposed]		
<draft-ietf-ngtrans-natpt-07.txt>		
o The COPS (Common Open Policy Service) Protocol [Proposed]	TSV	
<draft-ietf-rap-cops-07.txt>		
COPS usage for RSVP [Proposed]		
<draft-ietf-rap-cops-rsvp-05.txt>		
RSVP Extensions for Policy Control [Proposed]		
<draft-ietf-rap-rsvp-ext-06.txt>		
Signaled Preemption Priority Policy Element [Proposed]		
<draft-ietf-rap-signaled-priority-04.txt>		
Identity Representation for RSVP [Proposed]		
<draft-ietf-rap-rsvp-identity-05.txt>		
A Framework for Policy-based Admission Control [Informational]		
<draft-ietf-rap-framework-03.txt>		
STATUS: Waiting for new version of framework		
o VCID Notification over ATM link for LDP [Proposed]	RTG	
<draft-ietf-mpls-vcid-atm-04.txt>		

### 3. READING LIST

o Terminology for ATM Benchmarking [Informational]	OPS	
<draft-ietf-bmwg-atm-term-00.txt>		
o Dynamic Hostname Exchange Mechanism for IS-IS [Informational]	RTG	
<draft-ietf-isis-dyname-02.txt>		
o A Model for Presence and Instant Messaging [Proposed]	APP	
<draft-ietf-impp-model-03.txt>		
Instant Messaging / Presence Protocol Requirements [Proposed]		
<draft-ietf-impp-reqts-03.txt>		

Note: Tentatively approved as Informational. Keith sent note to authors with a list of changes to be made.

o Internet Transparency [Informational]	TSV	
<draft-carpenter-transparency-04.txt>		
o Terminology for describing middleware for network policy and services [Informational]	TSV	
<draft-aiken-middleware-reqndef-01.txt>		
o Definitions of Managed Objects for Service Level Agreements Performance Monitoring [Experimental]	OPS	
<draft-white-slapm-mib-06.txt>		
o Plain Text/Source Code File Header [Informational]		
<draft-swindell-ptsc-hdr-01.txt>		
o A Framework for IP Based Virtual Private Networks [Informational]	INT	
<draft-gleeson-vpn-framework-02.txt>		
o IP Authentication using Keyed SHA1 with Data Padding [HISTORIC/EXPERIMENTAL]	SEC	
<draft-simpson-ah-sha-kdp-00.txt>		
o DES Applicability Statement for Historic Status [BCP]	SEC	
<draft-simpson-des-as-00.txt>		
=====		
o X.509 Authentication SASL Mechanism [Informational]	APP	
<draft-ietf-ldapext-x509-sasl-02.txt>		
Note: Continuing discussions with author		
o The SRP MAC Layer Protocol [Informational]	INT	
<draft-tsiang-srp-00.txt>		
Note: Fred to speak with author about IPR and other stuff		
4. In Last Call		
o ARP and IP Broadcast over HIPPI-800 [Proposed]	Nov	1
<draft-pittet-hippiarp-03.txt>		
IP and ARP over HIPPI-6400 (GSN) [Proposed]		
<draft-pittet-gsnlan-02.txt>		
o IANA Allocation Guidelines For Values In the Internet Protocol and Related Headers [BCP]	Nov	8
<draft-bradner-iana-allocation-02.txt>		
o URLs for Telephone Calls [Proposed]	Nov	11
<draft-antti-telephony-url-11.txt>		
o Definitions of Managed Objects for Frame Relay Service [Proposed]	Nov	16
<draft-ietf-frnetmib-frs-mib-08.txt>		
o The Use of HMAC-RIPEMD-160-96 within ESP and AH [Proposed]	Nov	
<draft-ietf-ipsec-auth-hmac-ripemd-160-96-04.txt>		
o IETF Discussion List Charter [BCP]	Nov	16
<draft-ietf-poisson-listaup-01.txt>		
o Certificate Management Messages over CMS [Proposed]	Nov	16

- <draft-ietf-pkix-cmc-05.txt>
- o The PINT Service Protocol:Extensions to SIP and SDP for IP Access to Telephone Call Services [Proposed] Nov 16  
<draft-ietf-pint-protocol-02.txt>
- o The text/html Media Type [Informational] Nov 17  
<draft-connolly-text-html-01.txt>
- RFC1866 Hypertext Markup Language - 2.0 [Historic]
- RFC1867 Form-based File Upload in HTML [Historic]
- RFC1942 HTML Tables [Historic]
- RFC1980 A Proposed Extension to HTML: Client-Side Image Maps [Historic]
- RFC2070 Internationalization of the Hypertext Markup Language [Historic]

## 5. Last Call Expired - Waiting for Writeup

- o Distance Vector Multicast Routing Protocol [Historic] May 30  
<RFC1075> RTG
- o The audio/mpeg Type [Proposed] Jul 27  
<draft-nilsson-audio-mpeg-01.txt> APP
- Note: TSV ADs reviewed. Waiting for comments from Keith
- o Directory Schema Listing Procedures [BCP] Aug 31  
<draft-ietf-schema-proc-list-01.txt> APP
- Directory Schema Listing File Names [Informational]  
<draft-ietf-schema-file-list-01.txt>
- Directory Schema Listing Meta Data [Informational]  
<draft-ietf-schema-mime-metadata-01.txt>
- Requirements for the Initial Release of a Directory Schema Listing Service [Informational]  
<draft-ietf-schema-rqmts-list-01.txt>
- A MIME Content-Type for WHOIS [Informational]  
<draft-ietf-schema-whois-00.txt>
- MIME Directory Profiles for Listing Whois++ Schema [Informational]  
<draft-ietf-schema-whoispp-00.txt>
- A MIME Directory Profile for RWhois 1.5 Schema [Informational]  
<draft-ietf-schema-rwhois-00.txt>
- MIME Directory Profile for LDAP Schema [Informational]  
<draft-ietf-schema-ldap-01.txt>
- o Mobility Support in IPv6 [Proposed] Jan 7  
<draft-ietf-mobileip-ipv6-08.txt> RTG
- Waiting for update
- o TN3270E Service Location and Session Balancing [Proposed] Feb 23  
<draft-ietf-tn3270e-service-loc-03.txt> APP
- o HTTP Extensions Framework [PROPOSED] Feb 26

	<draft-frystyk-http-extensions-03.txt>	APP	
	o Internet Message Format Standard [Proposed]	Mar 4	
	<draft-ietf-drums-msg-fmt-07.txt>	APP	
	o Network Services Monitoring MIB [Proposed]	Mar 22	
	<draft-ietf-madman-netsm-mib-04.txt>	APP	
	o Mail Monitoring MIB [Proposed]	Mar 22	
	<draft-ietf-madman-email-mib-03.txt>	APP	
	o IP Multicast Routing MIB [Proposed]	Mar 23	
	<draft-ietf-idmr-multicast-routmib-12.txt>	RTG	
	Internet Group Management Protocol MIB [Proposed]		
	<draft-ietf-idmr-igmp-mib-12.txt>		
	Protocol Independent Multicast MIB [Experimental]		
	<draft-ietf-idmr-pim-mib-09.txt>		
	o Assignment Procedures for the URI Resolution using		Apr
19	DNS (RFC2168) [BCP]	APP	
	<draft-ietf-urn-net-procedures-02.txt>		
	Resolution of Uniform Resource Identifiers using the		
	Domain Name System [Proposed]		
	<draft-ietf-urn-dns-rds-01.txt>		
	The Naming Authority Pointer (NAPTR) DNS Resource		
	Record [Proposed]		
	<draft-ietf-urn-naptr-rr-03.txt>		
	o Form-based Device Input in HTML [Experimental]	May 6	
	<draft-salsman-www-device-upload-07.txt>	RTG	
	o Definitions of Managed Objects for the Virtual Router	Jun 10	
	Redundancy Protocol using SNMPv2 [Proposed]	RTG	
	<draft-ietf-vrrp-mib-09.txt>		
	o 5250 Telnet Enhancements [Proposed]	Jun 11	
	<draft-ietf-tn3270e-tn5250e-05.txt>	APP	
	o GSTN address element extensions in e-mail services		Jun
28	[Proposed]	APP	
	<draft-ietf-fax-fulladdr-06.txt>		
	o DNS Extensions to Support IP Version 6 [Proposed]		Jun
28	<draft-ietf-ipngwg-dns-lookups-05.txt>	INT	
	o Internet Printing Protocol/1.1: Encoding and Transport	Aug 12	
	[Proposed]	APP	
	<draft-ietf-ipp-protocol-v11-03.txt>		
	Internet Printing Protocol/1.1: Model and Semantics		
	[Proposed]		
	<draft-ietf-ipp-model-v11-04.txt>		
IANA	posed questions on both documents.		
	o The Assignment of the Information Field and Protocol	Aug 19	
	Identifier in the Q.2941 Generic Identifier and Q.2957	RTG	
	User-to-user Signaling for the Internet Protocol [Proposed]		
	<draft-ietf-mpis-git-uus-03.txt>		

- o Uniform Resource Identifiers for Television Broadcasts [Informational] Sep 13 APP  
     <draft-zigmond-tv-url-02.txt>
  - o Upgrading to TLS Within HTTP/1.1 [Proposed] Oct 4 SEC  
     <draft-ietf-tls-http-upgrade-03.txt>
  - o Distributed Routing Policy System [Proposed] Oct 13 OPS  
     <draft-ietf-rps-dist-05.txt>
  - o IAB and IESG Selection, Confirmation, and Recall [BCP] Oct 25 GEN  
     <draft-ietf-poisson-nomcom-v2-01.txt>  
     Publicly Verifiable Nomcom Random Selection [Informational]  
     <draft-eastlake-selection-04.txt>
  - o IP Multicast Applications: Challenges and Solutions Oct 25 OPS  
     [Informational]  
     <draft-ietf-mboned-mcast-apps-01.txt>
  - o Internet Relay Chat: Architecture [Informational] Oct
- 27
- <draft-kalt-irc-arch-00.txt> APP
  - Internet Relay Chat: Channel Management [Informational]  
     <draft-kalt-irc-chan-01.txt>
  - Internet Relay Chat: Client Protocol [Informational]  
     <draft-kalt-irc-client-03.txt>
  - Internet Relay Chat: Server Protocol [Informational]  
     <draft-kalt-irc-server-02.txt>
  - o Secret Key Transaction Signatures for DNS (TSIG) [Proposed] Oct 28 INT  
     <draft-ietf-dnsind-tsig-11.txt>

## 6. ON HOLD

- o BGP4 MIB [Draft] RTG  
     <draft-ietf-idr-bgp4-mib-04.txt>
- Status: Waiting for implemenetation experience report
- o DHCP Relay Agent Information Option [Proposed] INT  
     <draft-ietf-dhc-agent-options-07.txt>
  - o UTF-16, an encoding of ISO 10646 [Proposed] Sep 13 APP  
     <draft-hoffman-utf16-04.txt>
- Status: Waiting to resolve issues with SC2

REQUESTED - waiting for AD goahead or noway

APP: DRP WG Request

APP: CAP Requirements <draft-ietf-calsch-capreq-02.txt>

APP: The application/osp-token MIME type <draft-thomas-mime-osp-token-00.txt> (PS)

APP: Pulse-Per-Second API for UNIX-like Operating Systems, Version 1.0 (PS)  
     <draft-mogul-pps-api-05.txt>

SEC: RFC-2289 (One Time Password) from Draft Standard to Full Standard.

Received: from mgw-x2.nokia.com (mgw-x2.nokia.com [131.228.20.22])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id HAA24416  
for <iesg@ietf.org>; Fri, 5 Nov 1999 07:34:25 -0500 (EST)  
From: antti.vaha-sipila@nokia.com  
Received: from mgw-i2.ntc.nokia.com (mgw-i2.ntc.nokia.com [131.228.118.61])  
by mgw-x2.nokia.com (8.9.3/8.9.3) with ESMTP id OAA18490;  
Fri, 5 Nov 1999 14:34:08 +0200 (EET)  
Received: from esebh01nok.ntc.nokia.com (esebh01nok.ntc.nokia.com  
[131.228.118.150])  
by mgw-i2.ntc.nokia.com (8.9.3/8.9.3) with ESMTP id OAA13575;  
Fri, 5 Nov 1999 14:34:05 +0200 (EET)  
Received: by esebh01nok with Internet Mail Service(5.5.2650.10)  
id <V429KNF4>; Fri, 5 Nov 1999 14:34:05 +0200  
Message-ID: <6D1A8E7871B9D211B3B00008C7490AA501D66820@treis03nok>  
To: masinter@parc.xerox.com  
Cc: lwc@roke.co.uk, faynberg@lucent.com, iesg@ietf.org,  
jdrosen@dynamicsoft.com  
Subject: RE: Last Call: URLs for Telephone Calls to Proposed Standard  
Date: Fri, 5 Nov 1999 14:34:03 +0200  
MIME-Version: 1.0  
X-Mailer: Internet Mail Service (5.5.2650.10)  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit  
X-MIME-Autoconverted: from quoted-printable to 8bit by ietf.org id HAA24427

Hello all,

Sorry for the late reply. Here are my quick comments to Larry's input.

- > but many pieces of software use URLs that are not "user agents".
- > The term "user agent" has a well-established usage which doesn't
- > correspond to this definition.

This is true. The term "user agent" is a relict from the first draft in which it referred to the web browser. This should use some other term.

- > The description of <private-prefix> doesn't help.
- > %x21-22 isn't a proper terminal in ABNF, as far as I can tell.
- > Is this intended to mean "%x21" / "%x22", or the actual
- > characters themselves with some note about re-encoding them

> when necessary?

%xXX-YY is defined in RFC2234 (ABNF) section 3.4 - Value range alternatives. It means all characters between hex XX and hex YY, inclusive.

About future extensions:

> In a non-"open environment", users can do what they want, and  
> define tel:home to mean "phone home", so the precondition just  
> means that all future extensions require revising or updating  
> this RFC. If that's the case, why not just leave it out?

This was added to encourage people to document their extensions. There are many cases where some spec has been "enhanced" by a company, and these "enhancements" have not been properly documented or peer-reviewed. If this reminder is excessive, it's ok to drop it.

It seems that I can agree with everything else, but I would like to get comments to the following from the people I've cc'd.

> Since this memo doesn't claim to document existing practice but  
> rather construct a new telephone number naming scheme, it would  
> seem reasonable to push harder on global semantic consistency;  
> if you must supply a "local dial string" then also supply the  
> identity of at least some domain for which the dial string is local.  
> Maybe that would warrant using the hierarchical form, e.g.,  
>  
>     tel://telswitch.parc.xerox.com/4333  
>  
> means "dial 4333 from a phone which has the same  
> local dial context as 'telswitch.parc.xerox.com'".

The problem is, that there may be no domain name for the location for which the dial string is local, and it can be local to more than one domains, and the same domain may span several different numbering areas. An option could be to make at least one <area-specifier> a mandatory parameter for local dial strings instead.

Would this satisfy the requirement?

Best regards,

Antti

--

Antti Vahä-Sipilä / Nokia Mobile Phones

Send personal electronic mail to avs@iki.fi only.

My views and opinions are not necessarily those of my employer.

New email address from 20th Sep 1999: antti.vaha-sipila@nokia.com

> -----Original Message-----  
> From: EXT Larry Masinter [mailto:masinter@parc.xerox.com]  
> Sent: 16. October 1999 22:25  
> To: iesg@ietf.org; antti.vaha-sipila@nokia.com  
> Cc: ietf-uri@w3.org  
> Subject: RE: Last Call: URLs for Telephone Calls to Proposed Standard  
>  
>  
> Comments on draft-antti-telephony-url-11.txt:  
>  
> The first two paragraphs of section 1.1 should either be  
> edited into a 'history' appendix or else just removed  
> from the final document.  
>  
> "Formal definitions follow [RFC2234]."  
> But only the ABNF used in formal definitions follow 2234.  
>  
>  
> "Requirements are indicated by capitalized words as  
> specified in [RFC2119]."  
>  
> but RFC 2119 says:  
>  
>     Authors who follow these guidelines  
>     should incorporate this phrase near the beginning of their  
> document:  
>  
>     The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL  
>     NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and  
>     "OPTIONAL" in this document are to be interpreted as  
> described in  
>     RFC 2119.  
>  
> since, of course, other words are capitalized.  
>  
> In this document, "user agent" means software that can detect and  
> parse one or more of these URLs and possibly place a call to the  
> remote terminal using hardware and software at its  
> disposal after it  
> has been properly configured, or otherwise utilize the contents of  
> the URL.  
>  
> but many pieces of software use URLs that are not "user agents".  
> The term "user agent" has a well-established usage which doesn't  
> correspond to this definition.  
>

> None of the URL schemes do have a 'path' in them - they are always  
> absolute.  
>  
> There are (unfortunately) a number of different documents that  
> attempt to define "URL". This document seems to reference RFC 1738;  
> however, the BNF and terminology for URLs and URIs were revised  
> in the transition to Draft Standard RFC 2396; I think that it  
> would be best to do a careful review of terminology.  
>  
> For example, RFC 2396 notes that the "path" is applicable whether  
> or not a URL has a hierarchical component. I think what the author  
> intends to say here is something like:  
>  
> The "tel", "fax" and "modem" URL schemes defined here do not  
> use the hierarchical URL syntax; there are no applicable  
> relative URL forms.  
>  
> I don't understand the value of using encoded characters in the  
> syntax:  
>  
>       private-prefix               = (%x21-22 / %x24-29 / %x2C-2F /  
> %x3A / %x3C-40 /  
>                                       %x45-60 / %x65-7E) \*(%x21-3A / %x3C-7E)  
>                                       ; Unsafe and reserved  
> characters must be encoded  
>                                       ; as explained in [RFC1738]  
>  
> The description of <private-prefix> doesn't help.  
> %x21-22 isn't a proper terminal in ABNF, as far as I can tell.  
> Is this intended to mean "%x21" / "%x22", or the actual  
> characters themselves with some note about re-encoding them  
> when necessary?  
>  
>  
>       token-char and quoted-string  
>  
> are both used in 'future extension', but the definition of  
> 'future extension' and its use is very unsatisfying. I don't  
> understand the extensibility mechanism. An extensibility mechanism  
> with a rule:  
>  
>       Implementations MUST be prepared to handle additional  
> and/or unknown  
>       parameters gracefully. Implementations MAY opt not to use  
> the URL if  
>       it contains unknown parameters.  
>  
> is no extensibility mechanism at all; if you use an extension,

> it may or may not be ignored, it might make the whole thing  
> illegal. In general, a useful extensibility mechanism needs  
> to establish rules about when new extensions are ignored or  
> cause processing failures.

>  
> For example, <future-extension> can be used to store application-  
> specific additional data about the phone number, its  
> intended use, or  
> any conversions that have been applied to the number. Whenever a  
> <future-extension> is used in an open environment, its syntax and  
> usage MUST be properly documented in an RFC.

>  
> In a non-"open environment", users can do what they want, and  
> define tel:home to mean "phone home", so the precondition just  
> means that all future extensions require revising or updating  
> this RFC. If that's the case, why not just leave it out?

>  
> I am unhappy with the use of local dial strings and  
> implementation-dependent parameters in these URLs. I know that  
> they have use in many pieces of software, just as "file:" URLs  
> might, and I know that we allowed local dial strings in RFC 2303.  
> But I think a stronger case should be made for allowing local  
> information to escape. In RFC 2303, there was always the explicit  
> context of the RHS of the email address. But "phone-context"  
> here isn't nearly well-enough defined or itself globally  
> unique to provide enough context to disambiguate local dial strings  
> when sent from one system to another.

>  
> Since this memo doesn't claim to document existing practice but  
> rather construct a new telephone number naming scheme, it would  
> seem reasonable to push harder on global semantic consistency;  
> if you must supply a "local dial string" then also supply the  
> identity of at least some domain for which the dial string is local.

>  
> Maybe that would warrant using the hierarchical form, e.g.,  
>  
> tel://telswitch.parc.xerox.com/4333  
>  
> means "dial 4333 from a phone which has the same  
> local dial context as 'telswitch.parc.xerox.com'".

>  
>  
> This kind of  
> phone number MUST NOT be used in an environment where all users of  
> this URL might not be able to successfully dial out by using this  
> number directly. However, this might be appropriate for pages in a  
> company intranet.

>

> We constantly have problems with users putting non FQDNs in  
> internal URLs. http://parcweb/blah instead  
> of http://parcweb.parc.xerox.com/blah and then having non-local  
> users not be able to reach the pages for no good reason.  
>  
> With telephone calls, the problem is even worse! Someone in HR  
> will put up a web page "Call tel:1234 for important benefits  
> information",  
> the page will be mentioned in some inter-divisional memo, and  
> suddenly everyone in New York is dialing THEIR '1234' local  
> dial string, and the person at New York's 1234 gets spammed with  
> phone calls.  
>  
> This is dangerous, and, using the local dial string syntax suggested  
> here, unavoidable.  
>  
> Don't do it.  
>  
> Regards,  
>  
> Larry  
>  
>

Received: from cs.tut.fi (varis.cs.tut.fi [130.230.4.2])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id CAA27165  
for <iesg@ietf.org>; Mon, 15 Nov 1999 02:16:23 -0500 (EST)  
Received: from kaarne.cs.tut.fi (avs@kaarne.cs.tut.fi [130.230.4.11])  
by cs.tut.fi (8.8.8/8.8.8) with ESMTP id JAA22585  
for <iesg@ietf.org>; Mon, 15 Nov 1999 09:16:03 +0200 (EET)  
Received: (from avs@localhost)  
by kaarne.cs.tut.fi (8.8.5/8.8.4)  
id JAA18872 for iesg@ietf.org; Mon, 15 Nov 1999 09:16:22 +0200 (EET)  
Date: Mon, 15 Nov 1999 09:16:22 +0200  
From: =?iso-8859-1?Q?Antti\_V=E4h=E4-Sipil=E4?= <avs@iki.fi>  
To: iesg@ietf.org  
Subject: (fwd) draft-antti-telephony-url-11.txt: good stuff!  
Message-ID: <19991115091621.A18761@mail.cs.tut.fi>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
X-Mailer: Mutt 0.95i  
X-No-Archive: yes  
Disposition-Notification-To: avs@cs.tut.fi

As the draft is (was) in IESG Last Call, here's a comment from Dan Connolly which I recently got. I'll forward it to IESG as per his suggestion.

----- Forwarded message from Dan Connolly <connolly@w3.org> -----

> Date: Sun, 14 Nov 1999 23:13:30 -0600  
> From: Dan Connolly <connolly@w3.org>  
> To: avs@iki.fi  
> CC: uri@w3.org, Paul.V.Biron@kp.org  
> Subject: draft-antti-telephony-url-11.txt: good stuff!  
>  
> I just had occasion to read:  
>  
>     URLs for Telephone Calls  
>     A. Vaha-Sipila 8-Oct-1999  
>     <http://www.ics.uci.edu/pub/ietf/uri/draft-antti-telephony-url-11.txt>  
>  
> I like the way you documented the rationale and the suggested  
> usage in HTML. In fact, I think I like the whole thing.  
>  
> I don't know where the thing is in the IETF process, but feel free  
> to forward this review/endorsement to the IESG or whomever.  
>  
> I cited it from W3C's index of URI schemes:  
>     <http://www.w3.org/Addressing/schemes#tel>  
>  
> --  
> Dan Connolly, W3C  
> <http://www.w3.org/People/Connolly/>

----- End forwarded message -----

--

<URL:<http://www.iki.fi/avs/>> PGP 1B12745FA6BDC599:BCC128CAF19BE588

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id QAA11480  
for <iesg@ietf.org>; Fri, 19 Nov 1999 16:52:21 -0500 (EST)  
Date: Fri, 19 Nov 1999 16:52:47 -0500 (Eastern Standard Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: Status of Items  
Message-ID: <Pine.WNT.3.96.991119161923.-554091F-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

## 1. On next Agenda (Ballots sent)

- o TN3270E Service Location and Session Balancing [Proposed]  
<draft-ietf-tn3270e-service-loc-03.txt>
- o Applicability Statement for HTTP State Management [BCP]  
<draft-iesg-http-cookies-00.txt>  
HTTP State Management Mechanism [Proposed]  
<draft-ietf-http-state-man-mec-12.txt>

Note: Tentatively approved - waiting on Keith and Thomas

- o A DNS RR for specifying the location of services (DNS SRV)  
[Proposed]  
<draft-ietf-dnsind-rfc2052bis-04.txt>

Note: Tentatively approved - waiting on Thomas to check for normative references.

## 2. Protocol Actions with DISCUSS Votes

- o Router Renumbering for IPv6 [Proposed] INT  
<draft-ietf-ipngwg-router-renum-09.txt>
- o IP Version 6 Addressing Architecture [Draft] INT  
<rfc2373.txt>  
An IPv6 Aggregatable Global Unicast Address Format [Draft]  
<rfc2374.txt>
- o Deliver By SMTP Service Extension [Proposed] APP  
<draft-newman-deliver-02.txt>
- o Authentication Methods for LDAP [Proposed] APP  
<draft-ietf-ldapext-authmeth-04.txt>  
Lightweight Directory Access Protocol (v3): Extension  
for Transport Layer Security [Proposed]  
<draft-ietf-ldapext-ldapv3-tls-05.txt>  
Using Digest Authentication as a SASL Mechanism [Proposed]  
<draft-leach-digest-sasl-05.txt>
- o Multicast-Scope Zone Announcement Protocol (MZAP) [Proposed] OPS  
<draft-ietf-mboned-mzap-05.txt>
- o Virtual Router Redundancy Protocol [Draft] RTG  
<draft-ietf-vrrp-spec-v2-04.txt>
- o A Link Layer Tunneling Mechanism for Unidirectional  
Links [Proposed] RTG  
<draft-ietf-udlr-lltunnel-02.txt>
- o BGP Reflection An alternative to full mesh RTG  
IBGP [Proposed]  
<draft-ietf-idr-route-reflect-v2-02.txt>
- o Transition Mechanisms for IPv6 Hosts and routers [Proposed] OPS  
<draft-ietf-ngtrans-mech-04.txt>
- o Stateless IP/ICMP Translator (SIIT) [Proposed] OPS

- <draft-ietf-ngtrans-siit-07.txt>  
Network Address Translation - Protocol Translation  
(NAT-PT) [Proposed]
- <draft-ietf-ngtrans-natpt-07.txt>
- o VCID Notification over ATM link for LDP [Proposed] RTG
- <draft-ietf-mpls-vcid-atm-04.txt>

### 3. READING LIST

- o Dynamic Hostname Exchange Mechanism for IS-IS RTG  
[Informational]  
<draft-ietf-isis-dyname-02.txt>
- Note: Waiting for explanation of non-derritive works from WG
- o A Model for Presence and Instant Messaging [Proposed] APP  
<draft-ietf-imp-model-03.txt>  
Instant Messaging / Presence Protocol Requirements  
[Proposed]  
<draft-ietf-imp-reqts-03.txt>
- Note: Tentatively approved as Informational. Keith sent note  
to authors with a list of changes to be made.
- o Internet Transparency [Informational] TSV  
<draft-carpenter-transparency-04.txt>
- o Terminology for describing middleware for network policy TSV  
and services [Informational]  
<draft-aiken-middleware-reqndef-01.txt>
- o DES Applicability Statement for Historic Status [BCP] SEC  
<draft-simpson-des-as-00.txt>
- o HTTP Extension Framework [Experimental] APP  
<draft-frystyk-http-extensions-03.txt>
- Note: Approved - waiting for IESG Note from Keith
- o X.509 Authentication SASL Mechanism [Informational] APP  
<draft-ietf-ldapext-x509-sasl-02.txt>
- Note: Continuing discussions with author
- o The SRP MAC Layer Protocol [Informational] INT  
<draft-tsiang-srp-00.txt>
- Note: Fred to speak with author about IPR and other stuff

### 4. In Last Call

- o LDP Specification [Proposed] Nov 25  
<draft-ietf-mpls-ldp-06.txt>  
LDP Applicability [Proposed]  
<draft-ietf-mpls-ldp-applic-00.txt>  
Extensions to RSVP for LSP Tunnels [Proposed]

- <draft-ietf-mpls-rsvp-lsp-tunnel-04.txt>  
Applicability Statement for Extensions to RSVP for LSP-Tunnels [Proposed]
- <draft-ietf-mpls-rsvp-tunnel-applicability-00.txt>  
Constraint-Based LSP Setup using LDP [Proposed]
- <draft-ietf-mpls-cr-ldp-03.txt>  
Applicability Statement for CR-LDP [Proposed]
- <draft-ietf-mpls-crldp-applic-00.txt>  
A Framework for MPLS [Informational]
- <draft-ietf-mpls-framework-05.txt>
- o IMAP4 ID extension [Proposed] Dec 15  
<draft-showalter-imap-id-03.txt>

## 5. Last Call Expired - Waiting for Writeup

- o Distance Vector Multicast Routing Protocol [Historic] May 30  
<RFC1075> RTG
- o The audio/mpeg Type [Proposed] Jul 27  
<draft-nilsson-audio-mpeg-01.txt> APP
- Note: TSV ADs reviewed. Waiting for comments from Keith
- o Directory Schema Listing Procedures [BCP] Aug 31  
<draft-ietf-schema-proc-list-01.txt> APP
- Directory Schema Listing File Names [Informational]  
<draft-ietf-schema-file-list-01.txt>
- Directory Schema Listing Meta Data [Informational]  
<draft-ietf-schema-mime-metadata-01.txt>
- Requirements for the Initial Release of a Directory Schema Listing Service [Informational]  
<draft-ietf-schema-rqmts-list-01.txt>
- A MIME Content-Type for WHOIS [Informational]  
<draft-ietf-schema-whois-00.txt>
- MIME Directory Profiles for Listing Whois++ Schema [Informational]  
<draft-ietf-schema-whoispp-00.txt>
- A MIME Directory Profile for RWhois 1.5 Schema [Informational]  
<draft-ietf-schema-rwhois-00.txt>
- MIME Directory Profile for LDAP Schema [Informational]  
<draft-ietf-schema-ldap-01.txt>
- o Mobility Support in IPv6 [Proposed] Jan 7  
<draft-ietf-mobileip-ipv6-08.txt> RTG
- Waiting for update
- o HTTP Extensions Framework [PROPOSED] Feb 26  
<draft-frystyk-http-extensions-03.txt> APP
- o Internet Message Format Standard [Proposed] Mar 4  
<draft-ietf-drums-msg-fmt-07.txt> APP

	o Network Services Monitoring MIB [Proposed] <draft-ietf-madman-net-sm-mib-04.txt>	Mar 22 APP
	o Mail Monitoring MIB [Proposed] <draft-ietf-madman-email-mib-03.txt>	Mar 22 APP
	o IP Multicast Routing MIB [Proposed] <draft-ietf-idmr-multicast-routmib-12.txt>	Mar 23 RTG
	Internet Group Management Protocol MIB [Proposed] <draft-ietf-idmr-igmp-mib-12.txt>	
	Protocol Independent Multicast MIB [Experimental] <draft-ietf-idmr-pim-mib-09.txt>	
19	o Assignment Procedures for the URI Resolution using DNS (RFC2168) [BCP] <draft-ietf-urn-net-procedures-02.txt>	Apr APP
	Resolution of Uniform Resource Identifiers using the Domain Name System [Proposed] <draft-ietf-urn-dns-rds-01.txt>	
	The Naming Authority Pointer (NAPTR) DNS Resource Record [Proposed] <draft-ietf-urn-naptr-rr-03.txt>	
	o Form-based Device Input in HTML [Experimental] <draft-salsman-www-device-upload-07.txt>	May 6 RTG
	o Definitions of Managed Objects for the Virtual Router Redundancy Protocol using SNMPv2 [Proposed] <draft-ietf-vrrp-mib-09.txt>	Jun 10 RTG
	o 5250 Telnet Enhancements [Proposed] <draft-ietf-tn3270e-tn5250e-05.txt>	Jun 11 APP
28	o GSTN address element extensions in e-mail services [Proposed] <draft-ietf-fax-fulladdr-06.txt>	Jun APP
28	o DNS Extensions to Support IP Version 6 [Proposed] <draft-ietf-ipngwg-dns-lookups-06.txt>	Jun INT
	o Internet Printing Protocol/1.1: Encoding and Transport [Proposed] <draft-ietf-ipp-protocol-v11-03.txt>	Aug 12 APP
	Internet Printing Protocol/1.1: Model and Semantics [Proposed] <draft-ietf-ipp-model-v11-04.txt>	
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	o The Assignment of the Information Field and Protocol Identifier in the Q.2941 Generic Identifier and Q.2957 User-to-user Signaling for the Internet Protocol [Proposed] <draft-ietf-mpsls-git-uus-03.txt>	Aug 19 RTG
	o Uniform Resource Identifiers for Television Broadcasts [Informational] <draft-zigmond-tv-url-02.txt>	Sep 13 APP

	o Upgrading to TLS Within HTTP/1.1 [Proposed]		Oct 4
	<draft-ietf-tls-http-upgrade-03.txt>		SEC
	o Distributed Routing Policy System [Proposed]		Oct 13
	<draft-ietf-rps-dist-05.txt>	OPS	
	o IAB and IESG Selection, Confirmation, and Recall [BCP]		Oct 25
	<draft-ietf-poisson-nomcom-v2-01.txt>		GEN
	Publicly Verifiable Nomcom Random Selection [Informational]		
	<draft-eastlake-selection-04.txt>		
	o IP Multicast Applications: Challenges and Solutions [Informational]	OPS	Oct 25
	<draft-ietf-mboned-mcast-apps-01.txt>		
	o Internet Relay Chat: Architecture [Informational]		Oct
27	<draft-kalt-irc-arch-00.txt>	APP	
	Internet Relay Chat: Channel Management [Informational]		
	<draft-kalt-irc-chan-01.txt>		
	Internet Relay Chat: Client Protocol [Informational]		
	<draft-kalt-irc-client-03.txt>		
	Internet Relay Chat: Server Protocol [Informational]		
	<draft-kalt-irc-server-02.txt>		
	o Secret Key Transaction Signatures for DNS (TSIG) [Proposed]		Oct 28
	<draft-ietf-dnsind-tsig-11.txt>		INT
	o ARP and IP Broadcast over HIPPI-800 [Proposed]		Nov 1
	<draft-pittet-hippiarp-03.txt>		INT
	IP and ARP over HIPPI-6400 (GSN) [Proposed]		
	<draft-pittet-gsnlan-02.txt>		
	o IANA Allocation Guidelines For Values In the Internet Protocol and Related Headers [BCP]		Nov 8
	<draft-bradner-iana-allocation-02.txt>		TSV
	o URLs for Telephone Calls [Proposed]		Nov 11
	<draft-antti-telephony-url-11.txt>		TSV
	o Definitions of Managed Objects for Frame Relay Service [Proposed]		Nov 16
	<draft-ietf-frnetmib-frs-mib-08.txt>	INT	
	o The Use of HMAC-RIPEMD-160-96 within ESP and AH [Proposed]		Nov
16	<draft-ietf-ipsec-auth-hmac-ripemd-160-96-04.txt>		SEC
	o IETF Discussion List Charter [BCP]		Nov 16
	<draft-ietf-poisson-listaup-01.txt>	GEN	
	o Certificate Management Messages over CMS [Proposed]		Nov 16
	<draft-ietf-pkix-cmc-05.txt>	SEC	
	o The PINT Service Protocol: Extensions to SIP and SDP for IP Access to Telephone Call Services [Proposed]		Nov 16
	<draft-ietf-pint-protocol-02.txt>		TSV
	o The text/html Media Type [Informational]		Nov 17
	<draft-connolly-text-html-01.txt>	APP	
	RFC1866 Hypertext Markup Language - 2.0 [Historic]		
	RFC1867 Form-based File Upload in HTML [Historic]		

RFC1942 HTML Tables [Historic]  
RFC1980 A Proposed Extension to HTML: Client-Side Image  
Maps [Historic]  
RFC2070 Internationalization of the Hypertext Markup  
Language [Historic]

## 6. ON HOLD

o BGP4 MIB [Draft]	RTG
<draft-ietf-idr-bgp4-mib-04.txt>	DEC95
Status: Waiting for implementation experience report	
o DHCP Relay Agent Information Option [Proposed]	INT
<draft-ietf-dhc-agent-options-07.txt>	
o UTF-16, an encoding of ISO 10646 [Proposed]	Sep 13
<draft-hoffman-utf16-04.txt>	APP
Status: Waiting to resolve issues with SC2	
o Internet Open Trading Protocol - IOTP Version 1.0	
[Informational]	
draft-ietf-trade-iotp-v1.0-protocol-06.txt>	
Ancient Reference to RFC 2246	
Digital Signatures for the Internet Open Trading Protocol	
[Informational]	
<draft-ietf-trade-iotp-v1.0-dsig-04.txt>	
Digest Values for DOM (DOMHASH) [Informational]	
<draft-ietf-trade-hiroshi-dom-hash-03.txt>	
Note: Approved. Patrik/Keith need to designate EXPERT for IANA	

Received: from venera.isi.edu (venera.isi.edu [128.9.176.32])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id PAA07752  
for <IESG@IETF.ORG>; Fri, 3 Dec 1999 15:02:03 -0500 (EST)  
Received: from tnt.isi.edu (tnt.isi.edu [128.9.128.128])  
by venera.isi.edu (8.8.7/8.8.6) with ESMTP id MAA08667  
for <iesg-people@venera.isi.edu>; Fri, 3 Dec 1999 12:01:52 -0800 (PST)  
Received: from ash.isi.edu (ash.isi.edu [128.9.160.118])  
by tnt.isi.edu (8.8.7/8.8.6) with ESMTP id MAA17906;  
Fri, 3 Dec 1999 12:01:59 -0800 (PST)  
From: Internet Assigned Numbers Authority <iana@ISI.EDU>  
Received: (from iana@localhost)  
by ash.isi.edu (8.8.7/8.8.6) id MAA01176;  
Fri, 3 Dec 1999 12:01:58 -0800 (PST)  
Date: Fri, 3 Dec 1999 12:01:58 -0800 (PST)  
Message-Id: <199912032001.MAA01176@ash.isi.edu>  
To: iesg@ISI.EDU

Subject: Re: Last Call: URLs for Telephone Calls to Proposed Standard  
Cc: iana@ISI.EDU  
X-Sun-Charset: US-ASCII

IESG:

The IANA has reviewed the following Internet-Draft which is in Last Call: draft-antti-telephony-url-11.txt, and has no comments or concerns with regards to the publication of this document.

Joyce K. Reynolds  
IANA Liaison to the IESG

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us [10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id RAA24088  
for <iesg@ietf.org>; Fri, 3 Dec 1999 17:36:19 -0500 (EST)  
Date: Fri, 3 Dec 1999 17:36:39 -0500 (Eastern Standard Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: Status of Items  
Message-ID: <Pine.WNT.3.96.991203172107.-526707Y-100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

1. On next Agenda (Ballots sent)

- o UTF-16, an encoding of ISO 10646 [Proposed]  
    <draft-hoffman-utf16-05.txt>
- o Distributed Routing Policy System [Proposed]  
    <draft-ietf-rps-dist-05.txt>
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  - <draft-ietf-poisson-nomcom-v2-01.txt>  
Publicly Verifiable Nomcom Random Selection [Informational]
  - <draft-eastlake-selection-04.txt>
- o IETF Discussion List Charter [BCP]
  - <draft-ietf-poisson-listaup-01.txt>

## 2. Protocol Actions with DISCUSS Votes

- o Router Renumbering for IPv6 [Proposed] INT
  - <draft-ietf-ipngwg-router-renum-09.txt>
- o IP Version 6 Addressing Architecture [Draft] INT
  - <rfc2373.txt>  
An IPv6 Aggregatable Global Unicast Address Format [Draft]
  - <rfc2374.txt>
- o Deliver By SMTP Service Extension [Proposed] APP
  - <draft-newman-deliver-02.txt>
- o Authentication Methods for LDAP [Proposed] APP
  - <draft-ietf-ldapext-authmeth-04.txt>  
Lightweight Directory Access Protocol (v3): Extension for Transport Layer Security [Proposed]
  - <draft-ietf-ldapext-ldapv3-tls-05.txt>  
Using Digest Authentication as a SASL Mechanism [Proposed]
  - <draft-leach-digest-sasl-05.txt>
- o Multicast-Scope Zone Announcement Protocol (MZAP) [Proposed] OPS
  - <draft-ietf-mboned-mzap-05.txt>
- o Virtual Router Redundancy Protocol [Draft] RTG
  - <draft-ietf-vrrp-spec-v2-04.txt>
- o A Link Layer Tunneling Mechanism for Unidirectional Links [Proposed] RTG
  - <draft-ietf-udlr-lltunnel-02.txt>
- o BGP Reflection An alternative to full mesh RTG
  - IBGP [Proposed]
  - <draft-ietf-idr-route-reflect-v2-02.txt>
- o Transition Mechanisms for IPv6 Hosts and routers [Proposed] OPS
  - <draft-ietf-ngtrans-mech-04.txt>
- o Stateless IP/ICMP Translator (SIIT) [Proposed] OPS

- <draft-ietf-ngtrans-siit-07.txt>  
Network Address Translation - Protocol Translation  
(NAT-PT) [Proposed]
- <draft-ietf-ngtrans-natpt-07.txt>
- o VCID Notification over ATM link for LDP [Proposed] RTG
- <draft-ietf-mppls-vcid-atm-04.txt>
- o TN3270E Service Location and Session Balancing [Proposed]
- <draft-ietf-tn3270e-service-loc-03.txt>

### 3. READING LIST

- o Encryption using KEA and SKIPJACK [Experimental] SEC
- <draft-ietf-cat-ftpkeasj-01.txt>
- o Sampling of the Group Membership in RTP [Experimental] TSV
- <draft-ietf-avt-rtpsample-06.txt>
- o Dynamic Hostname Exchange Mechanism for IS-IS RTG
- [Informational]
- <draft-ietf-isis-dyname-02.txt>
- Note: Waiting for explanation of non-derrivative works from WG
- o A Model for Presence and Instant Messaging [Proposed] APP
- <draft-ietf-impp-model-03.txt>
- Instant Messaging / Presence Protocol Requirements
- [Proposed]
- <draft-ietf-impp-reqts-03.txt>
- Note: Tentatively approved as Informational. Keith sent note to authors with a list of changes to be made.
- o Categorizing Translators between IPv4 and IPv6 OPS
- [Informational]
- <draft-ietf-ngtrans-translator-02.txt>
- o IP Multicast Applications: Challenges and Solutions
- [Informational]
- <draft-ietf-mboned-mcast-apps-01.txt>
- o A SOCKS-based IPv6/IPv4 Gateway Mechanism [Informational] OPS
- <draft-ietf-ngtrans-socks-gateway-02.txt> a
- o Internet Transparency [Informational] TSV
- <draft-carpenter-transparency-04.txt>
- o X.509 Authentication SASL Mechanism [Informational] APP
- <draft-ietf-ldapext-x509-sasl-02.txt>
- o Terminology for describing middleware for network policy and services [Informational] TSV
- <draft-aiken-middleware-reqndef-02.txt>
- o DES Applicability Statement for Historic Status [BCP] SEC
- <draft-simpson-des-as-00.txt>
- o Pulse-Per-Second API for UNIX-like Operating Systems, Version 1.0 [Informational] APP
- <draft-mogul-pps-api-05.txt>

Note: Author requested Proposed.

- o HTTP Extension Framework [Experimental] APP  
<draft-frystyk-http-extensions-03.txt>

Note: Approved - waiting for IESG Note from Keith

- o The SRP MAC Layer Protocol [Informational] INT  
<draft-tsiang-srp-00.txt>

Note: Fred to speak with author about IPR and other stuff

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- o IMAP4 ID extension [Proposed] Dec 15  
<draft-showalter-imap-id-03.txt>
- o Real-Time Transport Protocol Management Information Base [Proposed] Dec 16  
<draft-ietf-avt-rtp-mib-07.txt>
- o The Accounting Data Interchange Format (ADIF) [Proposed] Dec  
17 <draft-ietf-roamops-actng-06.txt>
- o SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Dec  
17 Admission Control over IEEE 802-style networks [Proposed]  
<draft-ietf-issll-is802-sbm-09.txt>  
Integrated Service Mappings on IEEE 802 Networks [Proposed]  
<draft-ietf-issll-is802-svc-mapping-04.txt>  
A Framework for Providing Integrated Services Over Shared  
and Switched IEEE 802 LAN Technologies [Informational]  
<draft-ietf-issll-is802-framework-07.txt>
- o Telnet Authentication Option [Proposed] Dec 22  
<draft-tso-telnet-auth-enc-04.txt>  
Telnet Authentication: Kerberos Version 5 [Proposed]  
<draft-tso-telnet-krb5-03.txt>  
Telnet Authentication Using DSA [Proposed]  
<draft-housley-telnet-auth-dsa-03.txt>  
Telnet Authentication Using KEA and SKIPJACK [Proposed]  
<draft-housley-telnet-auth-keasj-04.txt>  
Telnet Authentication: SRP [Proposed]  
<draft-wu-telnet-auth-srp-04.txt>  
The SRP Authentication and Key Exchange System [Proposed]  
<draft-wu-srp-auth-03.txt>  
Telnet Data Encryption Option [Proposed]  
<draft-tso-telnet-encryption-04.txt>  
Telnet Encryption: DES 64 bit Cipher Feedback [Proposed]  
<draft-tso-telnet-enc-des-cfb-04.txt>  
Telnet Encryption: DES 64 bit Output Feedback [Proposed]  
<draft-tso-telnet-enc-des-ofb-04.txt>

- Telnet Encryption: DES3 64 bit Cipher Feedback [Proposed]  
<draft-altman-telnet-enc-des3-cfb-01.txt>
- Telnet Encryption: DES3 64 bit Output Feedback [Proposed]  
<draft-altman-telnet-enc-des3-ofb-01.txt>
- Telnet Encryption: CAST-128 64 bit Cipher Feedback [Proposed]  
<draft-altman-telnet-enc-cast128-ofb-00.txt>
- Telnet Encryption: CAST-128 64 bit Cipher Feedback [Proposed]  
<draft-altman-telnet-enc-cast128-cfb-00.txt>
- o Generic Routing Encapsulation (GRE) [Proposed] Dec 30  
<draft-meyer-gre-update-00.txt>
- o Host Resources MIB [Draft] Jan 3  
<draft-ops-hostmib-01.txt>

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	RFC1866 Hypertext Markup Language - 2.0 [Historic]		
	RFC1867 Form-based File Upload in HTML [Historic]		
	RFC1942 HTML Tables [Historic]		
	RFC1980 A Proposed Extension to HTML: Client-Side Image Maps [Historic]		
	RFC2070 Internationalization of the Hypertext Markup Language [Historic]		

## 6. ON HOLD

	o BGP4 MIB [Draft]	RTG	
	<draft-ietf-idr-bgp4-mib-04.txt>	DEC95	
	Status: Waiting for implementation experience report		
	o DHCP Relay Agent Information Option [Proposed]	INT	
	<draft-ietf-dhc-agent-options-07.txt>		
	Status: Waiting to resolve issues with SC2		
	o Applicability Statement for HTTP State Management [BCP]		APP
	<draft-iesg-http-cookies-00.txt>		
	HTTP State Management Mechanism [Proposed]		

<draft-ietf-http-state-man-mec-12.txt>

Note: WAS Tentatively approved - waiting on Keith and Thomas  
Now waiting for updated document and new last call.

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id QAA03132  
for <iesg@ietf.org>; Fri, 10 Dec 1999 16:09:06 -0500 (EST)  
Date: Fri, 10 Dec 1999 16:09:46 -0500 (Eastern Standard Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: Status of Items  
Message-ID: <Pine.WNT.3.96.991210160034.-255957F-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

1. On next Agenda (Ballots sent)

- o UTF-16, an encoding of ISO 10646 [Proposed]  
<draft-hoffman-utf16-05.txt>
- o Distributed Routing Policy System [Proposed]  
<draft-ietf-rps-dist-05.txt>
- o IANA Allocation Guidelines For Values In the Internet  
Protocol and Related Headers [BCP]  
<draft-bradner-iana-allocation-03.txt>

Note: New version expected

- o LDP Specification [Proposed]  
<draft-ietf-mpls-ldp-06.txt>  
LDP Applicability [Proposed]  
<draft-ietf-mpls-ldp-applic-00.txt>  
Extensions to RSVP for LSP Tunnels [Proposed]  
<draft-ietf-mpls-rsvp-lsp-tunnel-04.txt>  
Applicability Statement for Extensions to RSVP for  
LSP-Tunnels [Proposed]  
<draft-ietf-mpls-rsvp-tunnel-applicability-00.txt>  
Constraint-Based LSP Setup using LDP [Proposed]  
<draft-ietf-mpls-cr-ldp-03.txt>  
Applicability Statement for CR-LDP [Proposed]

- <draft-ietf-mppls-crldp-applic-00.txt>  
A Framework for MPLS [Informational]
- <draft-ietf-mppls-framework-05.txt>
- o IAB and IESG Selection, Confirmation, and Recall [BCP]  
<draft-ietf-poisson-nomcom-v2-01.txt>  
Publicly Verifiable Nomcom Random Selection [Informational]
- <draft-eastlake-selection-04.txt>
- o IETF Discussion List Charter [BCP]  
<draft-ietf-poisson-listaup-01.txt>
- o DNS Extensions to Support IP Version 6 [Proposed]  
<draft-ietf-ipngwg-dns-lookups-06.txt>

## 2. Protocol Actions with DISCUSS Votes

- o Router Renumbering for IPv6 [Proposed] INT  
<draft-ietf-ipngwg-router-renum-09.txt>
- o IP Version 6 Addressing Architecture [Draft] INT  
<rfc2373.txt>  
An IPv6 Aggregatable Global Unicast Address Format [Draft]  
<rfc2374.txt>
- o Deliver By SMTP Service Extension [Proposed] APP  
<draft-newman-deliver-02.txt>
- o Authentication Methods for LDAP [Proposed] APP  
<draft-ietf-ldapext-authmeth-04.txt>  
Lightweight Directory Access Protocol (v3): Extension  
for Transport Layer Security [Proposed]  
<draft-ietf-ldapext-ldapv3-tls-05.txt>  
Using Digest Authentication as a SASL Mechanism [Proposed]  
<draft-leach-digest-sasl-05.txt>
- o Multicast-Scope Zone Announcement Protocol (MZAP) [Proposed] OPS  
<draft-ietf-mboned-mzap-05.txt>
- o Virtual Router Redundancy Protocol [Draft] RTG  
<draft-ietf-vrrp-spec-v2-04.txt>
- o A Link Layer Tunneling Mechanism for Unidirectional  
Links [Proposed] RTG  
<draft-ietf-udlr-lltunnel-02.txt>
- o BGP Reflection An alternative to full mesh RTG  
IBGP [Proposed]  
<draft-ietf-idr-route-reflect-v2-02.txt>
- o Transition Mechanisms for IPv6 Hosts and routers [Proposed] OPS  
<draft-ietf-ngtrans-mech-04.txt>
- o Stateless IP/ICMP Translator (SIIT) [Proposed] OPS  
<draft-ietf-ngtrans-siit-07.txt>  
Network Address Translation - Protocol Translation  
(NAT-PT) [Proposed]  
<draft-ietf-ngtrans-natpt-07.txt>

Note: waiting for siit-08. Once submitted, documents approved

- o VCID Notification over ATM link for LDP [Proposed] RTG  
     <draft-ietf-mppls-vcid-atm-04.txt>
- o TN3270E Service Location and Session Balancing [Proposed]  
     <draft-ietf-tn3270e-service-loc-03.txt>

### 3. READING LIST

- o Encryption using KEA and SKIPJACK [Experimental] SEC  
     <draft-ietf-cat-ftpkeasj-01.txt>
- o A Model for Presence and Instant Messaging [Proposed] APP  
     <draft-ietf-impp-model-03.txt>  
     Instant Messaging / Presence Protocol Requirements  
     [Proposed]  
     <draft-ietf-impp-reqts-04.txt>
- Note: Tentatively approved as Informational. Keith sent note  
     to authors with a list of changes to be made. Waiting  
     for update
- o Categorizing Translators between IPv4 and IPv6 OPS  
     [Informational]  
     <draft-ietf-ngtrans-translator-02.txt>
- o IP Multicast Applications: Challenges and Solutions  
     [Informational]  
     <draft-ietf-mboned-mcast-apps-01.txt>
- Note: 13 docs referenced. Normative?
- o A SOCKS-based IPv6/IPv4 Gateway Mechanism [Informational] OPS  
     <draft-ietf-ngtrans-socks-gateway-02.txt>
- o RADIUS Extensions [Informational] OPS  
     <draft-ietf-radius-ext-05.txt>
- o Implementation of L2TP Compulsory Tunneling via RADIUS OPS  
     [Informational]  
     <draft-ietf-radius-tunnel-imp-05.txt>
- o RADIUS Accounting Modifications for Tunnel Protocol OPS  
     Support [Informational]  
     <draft-ietf-radius-tunnel-acct-05.txt>
- o RADIUS Accounting [Informational] OPS  
     <draft-ietf-radius-accounting-v2-02.txt>
- Note: Requires draft-ietf-radius-tunnel-auth
- o 6Bone Backbone Routing Guidelines [Informational] OPS  
     <draft-ietf-ngtrans-harden-03.txt>
- o Methods for Avoiding the 'Small-Subgroup' Attacks on  
     the Diffie-Hellman Key Agreement Method for  
     S/MIME [Informational]  
     <draft-ietf-smime-small-subgroup-03.txt>
- o GLOP Addressing in 233/8 [Experimental] OPS  
     <draft-ietf-mboned-glop-addressing-02.txt>

- o Internet Transparency [Informational] TSV  
     <draft-carpenter-transparency-04.txt>
- Note: Waiting for update
- o X.509 Authentication SASL Mechanism [Informational] APP  
     <draft-ietf-ldapext-x509-sasl-02.txt>
- o DES Applicability Statement for Historic Status [BCP] SEC  
     <draft-simpson-des-as-00.txt>
- Note: Message sent to authors. Waiting for response.
- o Pulse-Per-Second API for UNIX-like Operating Systems, APP  
     Version 1.0 [Informational]  
     <draft-mogul-pps-api-05.txt>
- Note: Author requested Proposed Standard
- o HTTP Extension Framework [Experimental] APP  
     <draft-frystyk-http-extensions-03.txt>
- Note: Approved - waiting for IESG Note from Keith
- o Alert and Notification Format [Experimental] APP  
     <draft-kocheisen-alert-format-00.txt>

#### 4. In Last Call

- o IMAP4 ID extension [Proposed] Dec 15  
     <draft-showalter-imap-id-03.txt>
- o Real-Time Transport Protocol Management Information Dec 16  
     Base [Proposed]  
     <draft-ietf-avt-rtp-mib-07.txt>
- o SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Dec  
     Admission Control over IEEE 802-style networks [Proposed]  
     <draft-ietf-issll-is802-sbm-09.txt>
- o Integrated Service Mappings on IEEE 802 Networks [Proposed]  
     <draft-ietf-issll-is802-svc-mapping-04.txt>
- o A Framework for Providing Integrated Services Over Shared  
     and Switched IEEE 802 LAN Technologies [Informational]  
     <draft-ietf-issll-is802-framework-07.txt>
- o Network Services Monitoring MIB [Proposed] Dec 20  
     <draft-ietf-madman-net-sm-mib-05.txt>
- o Mail Monitoring MIB [Proposed] Dec 20  
     <draft-ietf-madman-email-mib-04.txt>
- o The Interfaces Group MIB [Draft] Dec 20  
     <draft-ietf-ifmib-ifmib2-01.txt>
- o Remote Authentication Dial In User Service (RADIUS)[Draft] Dec  
     <draft-ietf-radius-radius-v2-02.txt>
- o RADIUS Attributes for Tunnel Protocol Support [Proposed] Dec  
     <draft-ietf-radius-tunnel-auth-09.txt>
- o Telnet Authentication Option [Proposed] Dec 22  
     <draft-tso-telnet-auth-enc-04.txt>

- Telnet Authentication: Kerberos Version 5 [Proposed]  
<draft-tso-telnet-krb5-03.txt>
- Telnet Authentication Using DSA [Proposed]  
<draft-housley-telnet-auth-dsa-04.txt>
- Telnet Authentication Using KEA and SKIPJACK [Proposed]  
<draft-housley-telnet-auth-keasj-04.txt>
- Telnet Authentication: SRP [Proposed]  
<draft-wu-telnet-auth-srp-04.txt>
- The SRP Authentication and Key Exchange System [Proposed]  
<draft-wu-srp-auth-03.txt>
- Telnet Data Encryption Option [Proposed]  
<draft-tso-telnet-encryption-04.txt>
- Telnet Encryption: DES 64 bit Cipher Feedback [Proposed]  
<draft-tso-telnet-enc-des-cfb-04.txt>
- Telnet Encryption: DES 64 bit Output Feedback [Proposed]  
<draft-tso-telnet-enc-des-ofb-04.txt>
- Telnet Encryption: DES3 64 bit Cipher Feedback [Proposed]  
<draft-altman-telnet-enc-des3-cfb-01.txt>
- Telnet Encryption: DES3 64 bit Output Feedback [Proposed]  
<draft-altman-telnet-enc-des3-ofb-01.txt>
- Telnet Encryption: CAST-128 64 bit Cipher Feedback [Proposed]  
<draft-altman-telnet-enc-cast128-ofb-00.txt>
- Telnet Encryption: CAST-128 64 bit Cipher Feedback [Proposed]  
<draft-altman-telnet-enc-cast128-cfb-00.txt>
- o Generic Routing Encapsulation (GRE) [Proposed] Dec 30  
<draft-meyer-gre-update-00.txt>
- o Host Resources MIB [Draft] Jan 3  
<draft-ops-hostmib-01.txt>

## 5. Last Call Expired - Waiting for Writeup

- o Distance Vector Multicast Routing Protocol [Historic] May 30  
<RFC1075> RTG
  - o The audio/mpeg Type [Proposed] Jul 27  
<draft-nilsson-audio-mpeg-01.txt> APP
- Note: TSV ADs reviewed. Waiting for comments from Keith
- o Directory Schema Listing Procedures [BCP] Aug 31  
<draft-ietf-schema-proc-list-01.txt> APP
  - Directory Schema Listing File Names [Informational]  
<draft-ietf-schema-file-list-01.txt>
  - Directory Schema Listing Meta Data [Informational]  
<draft-ietf-schema-mime-metadata-01.txt>
  - Requirements for the Initial Release of a Directory Schema Listing Service [Informational]  
<draft-ietf-schema-rqmts-list-01.txt>
  - A MIME Content-Type for WHOIS [Informational]  
<draft-ietf-schema-whois-00.txt>

	MIME Directory Profiles for Listing Whois++ Schema [Informational]			
	<draft-ietf-schema-whoispp-00.txt>			
	A MIME Directory Profile for RWhois 1.5 Schema [Informational]			
	<draft-ietf-schema-rwhois-00.txt>			
	MIME Directory Profile for LDAP Schema [Informational]			
	<draft-ietf-schema-ldap-01.txt>			
	o Mobility Support in IPv6 [Proposed]	Jan 7		
	<draft-ietf-mobileip-ipv6-09.txt>	RTG		
	o Internet Message Format Standard [Proposed]		Mar 4	
	<draft-ietf-drums-msg-fmt-07.txt>	APP		
	o IP Multicast Routing MIB [Proposed]	Mar 23		
	<draft-ietf-idmr-multicast-routmib-12.txt>	RTG		
	Internet Group Management Protocol MIB [Proposed]			
	<draft-ietf-idmr-igmp-mib-12.txt>			
	Protocol Independent Multicast MIB [Experimental]			
	<draft-ietf-idmr-pim-mib-09.txt>			
	o Assignment Procedures for the URI Resolution using		Apr	
19	DNS (RFC2168) [BCP]	APP		
	<draft-ietf-urn-net-procedures-02.txt>			
	Resolution of Uniform Resource Identifiers using the Domain Name System [Proposed]			
	<draft-ietf-urn-dns-rds-01.txt>			
	The Naming Authority Pointer (NAPTR) DNS Resource Record [Proposed]			
	<draft-ietf-urn-naptr-rr-03.txt>			
	o Definitions of Managed Objects for the Virtual Router Redundancy Protocol [Proposed]	RTG	Jun 10	
	<draft-ietf-vrrp-mib-09.txt>			
	o 5250 Telnet Enhancements [Proposed]		Jun 11	
	<draft-ietf-tn3270e-tn5250e-05.txt>	APP		
	o GSTN address element extensions in e-mail services		Jun	
28	[Proposed]	APP		
	<draft-ietf-fax-fulladdr-06.txt>			
	o Internet Printing Protocol/1.1: Encoding and Transport [Proposed]	APP	Aug 12	
	<draft-ietf-ipp-protocol-v11-03.txt>			
	Internet Printing Protocol/1.1: Model and Semantics [Proposed]			
	<draft-ietf-ipp-model-v11-04.txt>			
	IANA posed questions on both documents.			
	o The Assignment of the Information Field and Protocol Identifier in the Q.2941 Generic Identifier and Q.2957 User-to-user Signaling for the Internet Protocol [Proposed]	Aug 19		
	<draft-ietf-mpls-git-uus-03.txt>	RTG		

	o Uniform Resource Identifiers for Television Broadcasts [Informational] <draft-zigmond-tv-url-02.txt>	Sep 13 APP
	o Upgrading to TLS Within HTTP/1.1 [Proposed] <draft-ietf-tls-http-upgrade-03.txt>	Oct 4 SEC
	o Internet Relay Chat: Architecture [Informational] <draft-kalt-irc-arch-00.txt>	Oct APP
27	Internet Relay Chat: Channel Management [Informational] <draft-kalt-irc-chan-01.txt> Internet Relay Chat: Client Protocol [Informational] <draft-kalt-irc-client-03.txt> Internet Relay Chat: Server Protocol [Informational] <draft-kalt-irc-server-02.txt>	
	o Secret Key Transaction Signatures for DNS (TSIG) [Proposed] <draft-ietf-dnsind-tsig-12.txt>	Oct 28 INT
	o ARP and IP Broadcast over HIPPI-800 [Proposed] <draft-pittet-hippiarp-03.txt> IP and ARP over HIPPI-6400 (GSN) [Proposed] <draft-pittet-gsnlan-02.txt>	Nov 1 INT
	o URLs for Telephone Calls [Proposed] <draft-antti-telephony-url-11.txt>	Nov 11 TSV
	o Definitions of Managed Objects for Frame Relay Service [Proposed] <draft-ietf-frnetmib-frs-mib-09.txt> Definitions of Managed Objects for Monitoring and Controlling the Frame Relay/ATM PVC Service Interworking Function [Proposed] <draft-ietf-frnetmib-atmiwf-04.txt>	Dec 23
	o The Use of HMAC-RIPEMD-160-96 within ESP and AH [Proposed] <draft-ietf-ipsec-auth-hmac-ripemd-160-96-04.txt>	Nov SEC
16	Note: Per IANA, reference section (04) needs to be updated o Certificate Management Messages over CMS [Proposed] <draft-ietf-pkix-cmc-05.txt>	Nov 16 SEC
	Note: References (now RFCs) to be updated o The PINT Service Protocol: Extensions to SIP and SDP for IP Access to Telephone Call Services [Proposed] <draft-ietf-pint-protocol-02.txt>	Nov 16 TSV
	Note: Need IANA expert o The text/html Media Type [Informational] <draft-connelly-text-html-02.txt> RFC1866 Hypertext Markup Language - 2.0 [Historic] RFC1867 Form-based File Upload in HTML [Historic] RFC1942 HTML Tables [Historic] RFC1980 A Proposed Extension to HTML: Client-Side Image Maps [Historic] RFC2070 Internationalization of the Hypertext Markup	Nov 17 APP

Language [Historic]

6. ON HOLD

o BGP4 MIB [Draft] RTG  
    <draft-ietf-idr-bgp4-mib-04.txt> DEC95  
Status: Waiting for implementation experience report  
o DHCP Relay Agent Information Option [Proposed] INT  
    <draft-ietf-dhc-agent-options-07.txt>  
Status: Waiting to resolve issues with SC2  
o Applicability Statement for HTTP State Management [BCP]  
    <draft-iesg-http-cookies-02.txt>  
    HTTP State Management Mechanism [Proposed]  
    <draft-ietf-http-state-man-mec-12.txt>  
Note: WAS Tentatively approved - waiting on Keith and Thomas  
    Now waiting for updated document and new last call.

Received: from newdev.harvard.edu (newdev.eecs.harvard.edu [140.247.60.212])  
    by ietf.org (8.9.1a/8.9.1a) with ESMTP id RAA04689  
    for <iesg@ietf.org>; Fri, 10 Dec 1999 17:58:07 -0500 (EST)  
Received: (from sob@localhost)  
    by newdev.harvard.edu (8.9.3/8.9.3) id RAA04043  
    for iesg@ietf.org; Fri, 10 Dec 1999 17:58:06 -0500 (EST)  
Date: Fri, 10 Dec 1999 17:58:06 -0500 (EST)  
From: Scott Bradner <sob@harvard.edu>  
Message-Id: <199912102258.RAA04043@newdev.harvard.edu>  
To: iesg@ietf.org  
Subject: draft-antti-telephony-url-11.txt

o URLs for Telephone Calls [Proposed] Nov  
11  
    <draft-antti-telephony-url-11.txt> TSV

I exchanged mail with thr author - a vew version is expected responding  
to last-call comments

Scott

Received: from CNRI.Reston.VA.US (localhost [127.0.0.1])  
    by ietf.org (8.9.1a/8.9.1a) with ESMTP id OAA04186  
    for <iesg@ietf.org>; Thu, 30 Dec 1999 14:51:44 -0500 (EST)

Message-Id: <199912301951.0AA04186@ietf.org>  
To: Internet Engineering Steering Group <iesg@ietf.org>  
From: IESG Secretary <iesg-secretary@ietf.org>  
Reply-To: IESG Secretary <iesg-secretary@ietf.org>  
Subject: Ballot: URLs for Telephone Calls to Proposed Standard  
Date: Thu, 30 Dec 1999 14:51:44 -0500  
Sender: scoya@cnri.reston.va.us

Last Call to expire on: November 11, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ ]	[ ]	[ ]
Scott Bradner	[ X ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

The IESG has approved the Internet-Draft 'URLs for Telephone Calls' <draft-antti-telephony-url-12.txt> as a Proposed Standard. This has been reviewed in the IETF but is not the product of an IETF Working Group. The IESG contact persons are Scott Bradner and Vern Paxson.

#### Technical Summary

This document specifies URL (Uniform Resource Locator) schemes ''tel'', ''fax'' and ''modem'' for specifying the location of a terminal in the phone network and the connection types (modes of operation) that can be used to connect to that entity. This specification covers voice calls

(normal phone calls, answering machines and voice messaging systems), facsimile (telefax) calls and data calls, both for POTS and digital/mobile subscribers.

The "tel" scheme describes a connection to a terminal that handles normal voice telephone calls, a voice mailbox or another voice messaging system or a service that can be operated using DTMF tones.

The "fax" scheme describes a connection to a terminal that can handle telefaxes (facsimiles). The name (scheme specifier) for the URL is "fax" as recommended by ITU-T Recommendation E.123.

The "modem" scheme describes a connection to a terminal that can handle incoming data calls. The term "modem" refers to a device that does digital-to-analog and analog-to-digital conversions; in addition to these, a "modem" scheme can describe a fully digital connection.

#### Working Group Summary

Although an individual submission this document was reviewed by both the mmusic and pint working groups. A number of changes were made in the document in response to comments by members of these working groups and in response to comments during the IETF Last-Call.

#### Protocol Quality

This document was reviewed for the IESG by Scott Bradner.

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id RAA28580  
for <iesg@ietf.org>; Fri, 7 Jan 2000 17:33:23 -0500 (EST)  
Date: Fri, 7 Jan 2000 17:33:57 -0500 (Eastern Standard Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: Status of Items  
Message-ID: <Pine.WNT.3.96.1000107145827.-240081K-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

#### 1. On next Agenda (Ballots sent)

- o Coexistence between Version 1, Version 2, and Version 3 of the Internet-standard Network Management Framework [Proposed]  
<draft-ietf-snmpv3-coex-06.txt>
- o URLs for Telephone Calls [Proposed]  
<draft-antti-telephony-url-12.txt>
- o SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Admission Control over IEEE 802-style networks [Proposed]  
<draft-ietf-issll-is802-sbm-09.txt>
- Integrated Service Mappings on IEEE 802 Networks [Proposed]  
<draft-ietf-issll-is802-svc-mapping-04.txt>
- A Framework for Providing Integrated Services Over Shared and Switched IEEE 802 LAN Technologies [Informational]  
<draft-ietf-issll-is802-framework-07.txt>
- o Network Services Monitoring MIB [Proposed]  
<draft-ietf-madman-netsm-mib-06.txt>
- o Mail Monitoring MIB [Proposed]  
<draft-ietf-madman-email-mib-05.txt>
- o The Assignment of the Information Field and Protocol Identifier in the Q.2941 Generic Identified and Q.2957 User to user Signaling for the Internet Protocol [Proposed]  
<draft-ietf-mpls-git-uus-03.txt>

Note: Update Expected

- o Upgrading to TLS Within HTTP/1.1 [Proposed]  
<draft-ietf-tls-http-upgrade-05.txt>
- o Generic Routing Encapsulation (GRE) [Proposed]  
<draft-meyer-gre-update-02.txt>
- o Mobile IP Vendor/Organization-Specific Extensions [Proposed]  
<draft-ietf-mobileip-vendor-ext-06.txt>
- o IANA Allocation Guidelines For Values In the Internet Protocol and Related Headers [BCP]  
<draft-bradner-iana-allocation-04.txt>
- o Definitions of Managed Objects for the Virtual Router Redundancy Protocol [Proposed]  
<draft-ietf-vrrp-mib-09.txt>

Note: Needs draft-ietf-vrrp-spec-v2

## 2. Protocol Actions with DISCUSS Votes

- |                                                                                     |     |
|-------------------------------------------------------------------------------------|-----|
| o Router Renumbering for IPv6 [Proposed]<br><draft-ietf-ipngwg-router-renum-09.txt> | INT |
| o IP Version 6 Addressing Architecture [Draft]<br><rfc2373.txt>                     | INT |
| An IPv6 Aggregatable Global Unicast Address Format [Draft]<br><rfc2374.txt>         |     |
| o Deliver By SMTP Service Extension [Proposed]<br><draft-newman-deliver-02.txt>     | APP |

o Authentication Methods for LDAP [Proposed]	APP
<draft-ietf-ldapext-authmeth-04.txt>	
Lightweight Directory Access Protocol (v3): Extension	
for Transport Layer Security [Proposed]	
<draft-ietf-ldapext-ldapv3-tls-05.txt>	
Using Digest Authentication as a SASL Mechanism [Proposed]	
<draft-leach-digest-sasl-05.txt>	
o Virtual Router Redundancy Protocol [Draft]	RTG
<draft-ietf-vrrp-spec-v2-04.txt>	
o A Link Layer Tunneling Mechanism for Unidirectional	RTG
Links [Proposed]	
<draft-ietf-udlr-lltunnel-02.txt>	
o BGP Reflection An alternative to full mesh	RTG
IBGP [Proposed]	
<draft-ietf-idr-route-reflect-v2-03.txt>	
o Transition Mechanisms for IPv6 Hosts and routers [Proposed]	OPS
<draft-ietf-ngtrans-mech-04.txt>	
o VCID Notification over ATM link for LDP [Proposed]	RTG
<draft-ietf-mpls-vcid-atm-04.txt>	
o TN3270E Service Location and Session Balancing [Proposed]	APP
<draft-ietf-tn3270e-service-loc-03.txt>	
o LDP Specification [Proposed]	RTG
<draft-ietf-mpls-ldp-06.txt>	
LDP Applicability [Proposed]	
<draft-ietf-mpls-ldp-applic-00.txt>	
Extensions to RSVP for LSP Tunnels [Proposed]	
<draft-ietf-mpls-rsvp-lsp-tunnel-04.txt>	
Applicability Statement for Extensions to RSVP for	
LSP-Tunnels [Proposed]	
<draft-ietf-mpls-rsvp-tunnel-applicability-00.txt>	
Constraint-Based LSP Setup using LDP [Proposed]	
<draft-ietf-mpls-cr-ldp-03.txt>	
Applicability Statement for CR-LDP [Proposed]	
<draft-ietf-mpls-crldp-applic-00.txt>	
A Framework for MPLS [Informational]	
<draft-ietf-mpls-framework-05.txt>	
o DNS Extensions to Support IP Version 6 [Proposed]	INT
<draft-ietf-ipngwg-dns-lookups-06.txt>	
o The PINT Service Protocol: Extensions to SIP and SDP	TSV
for IP Access to Telephone Call Services [Proposed]	
<draft-ietf-pint-protocol-02.txt>	
o Secret Key Transaction Authentication for DNS	INT
(TSIG) [Proposed]	
<draft-ietf-dnsind-tsig-13.txt>	
o IP Multicast Routing MIB [Proposed]	RTG
<draft-ietf-idmr-multicast-routmib-12.txt>	
Internet Group Management Protocol MIB [Proposed]	
<draft-ietf-idmr-igmp-mib-12.txt>	

- Protocol Independent Multicast MIB [Experimental]  
     <draft-ietf-idmr-pim-mib-09.txt>
- o Mobile IP Network Access Identifier Extension [Proposed]                      RTG  
     <draft-ietf-mobileip-mn-nai-05.txt>

### 3. READING LIST

- o IP Multicast Applications: Challenges and Solutions                      OPS  
     [Informational]  
     <draft-ietf-mboned-mcast-apps-01.txt>
- Note: 13 docs referenced. Normative?  
     TSV Directorate to review
- o A SOCKS-based IPv6/IPv4 Gateway Mechanism [Informational]                      OPS  
     <draft-ietf-ngtrans-socks-gateway-02.txt>
- Note: Updated expected
- o RADIUS Extensions [Informational]                      OPS  
     <draft-ietf-radius-ext-05.txt>
- o Implementation of L2TP Compulsory Tunneling via RADIUS                      OPS  
     [Informational]  
     <draft-ietf-radius-tunnel-imp-05.txt>
- o RADIUS Accounting Modifications for Tunnel Protocol                      OPS  
     Support [Informational]  
     <draft-ietf-radius-tunnel-acct-05.txt>
- o RADIUS Accounting [Informational]                      OPS  
     <draft-ietf-radius-accounting-v2-02.txt>
- Note: Requires draft-ietf-radius-tunnel-auth  
     Waiting for -03
- o Intrusion Detection Message Exchange Requirements                      SEC  
     [Informational]  
     <draft-ietf-idwg-requirements-02.txt>
- o OSPF over ATM and Proxy PAR [Experimental]                      RTG  
     <draft-ietf-ospf-atm-03.txt>
- o Proxy PAR [Informational]                      INT  
     <draft-ietf-ion-proxypar-arch-01.txt>
- o X.509 Authentication SASL Mechanism [Informational]                      APP  
     <draft-ietf-ldapext-x509-sasl-02.txt>
- Note: OK if Security Review ok
- o DES Applicability Statement for Historic Status [BCP]                      SEC  
     <draft-simpson-des-as-01.txt>
- Note: Message sent to authors. Waiting for response.
- o Pulse-Per-Second API for UNIX-like Operating Systems,                      APP  
     Version 1.0 [Informational]  
     <draft-mogul-pps-api-05.txt>
- Note: Author requested Proposed Standard. Waiting for notes  
     to be included as an RFC Editor note
- o Scalable Routing Design Principles [Informational]                      RTG

- <draft-yu-routing-scaling-02.txt>
- o Diffie-Helman USM Key Management Information Base and Textual Convention [Experimental] SEC
- <draft-stjohns-snmpv3-dhkeychange-mib-02.txt>
- o Internet Relay Chat: Architecture [Informational] APP
- <draft-kalt-irc-arch-00.txt>
- Internet Relay Chat: Channel Management [Informational]
- <draft-kalt-irc-chan-01.txt>
- Internet Relay Chat: Client Protocol [Informational]
- <draft-kalt-irc-client-03.txt>
- Internet Relay Chat: Server Protocol [Informational]
- <draft-kalt-irc-server-02.txt>
- o Internet Security Glossary SEC
- <draft-shirey-security-glossary-01.txt>

#### 4. In Last Call

- o Capabilities Negotiation with BGP-4 [Proposed] Jan 10
- <draft-ietf-idr-bgp4-cap-neg-04.txt>
- o The LDAP Data Interchange Format (LDIF) - Technical Specification [Proposed] Jan 12
- <draft-good-ldap-ldif-05.txt>
- o Registry Registrar Protocol (RRP) Version 1.1.0 [Informational] Jan 13
- <draft-hollenbeck-rrp-00.txt>
- o LIPKEY - A Low Infrastructure Public Key Mechanism Using SPKM [Proposed] Jan
- <draft-ietf-cat-lipkey-03.txt>
- o Content feature schema for Internet fax [Proposed] Jan
- <draft-ietf-fax-feature-schema-v2-01.txt>
- o Internet fax T.30 Feature Mapping [Informational]
- <draft-ietf-fax-feature-T30-mapping-03.txt>
- o Defeating Denial of Service Attacks which employ IP Source Address Spoofing [BCP] Feb 6
- <rfc2267.txt>

#### 5. Last Call Expired - Waiting for Writeup

- o Distance Vector Multicast Routing Protocol [Historic] May 30
- <RFC1075> RTG
- o The audio/mpeg Type [Proposed] Jul 27
- <draft-nilsson-audio-mpeg-01.txt> APP
- Note: TSV ADs reviewed. Waiting for comments from Keith
- o Directory Schema Listing Procedures [BCP] Aug 31

	<draft-ietf-schema-proc-list-01.txt>	APP	
	Directory Schema Listing File Names [Informational]		
	<draft-ietf-schema-file-list-01.txt>		
	Directory Schema Listing Meta Data [Informational]		
	<draft-ietf-schema-mime-metadata-01.txt>		
	Requirements for the Initial Release of a Directory Schema Listing Service [Informational]		
	<draft-ietf-schema-rqmts-list-01.txt>		
	A MIME Content-Type for WHOIS [Informational]		
	<draft-ietf-schema-whois-00.txt>		
	MIME Directory Profiles for Listing Whois++ Schema [Informational]		
	<draft-ietf-schema-whoispp-00.txt>		
	A MIME Directory Profile for RWhois 1.5 Schema [Informational]		
	<draft-ietf-schema-rwhois-00.txt>		
	MIME Directory Profile for LDAP Schema [Informational]		
	<draft-ietf-schema-ldap-01.txt>		
19	o Mobility Support in IPv6 [Proposed]	Jan 7	
	<draft-ietf-mobileip-ipv6-09.txt>	RTG	
	o Internet Message Format Standard [Proposed]		Mar 4
	<draft-ietf-drums-msg-fmt-07.txt>	APP	
	o Assignment Procedures for the URI Resolution using		Apr
19	DNS (RFC2168) [BCP]	APP	
	<draft-ietf-urn-net-procedures-02.txt>		
	Resolution of Uniform Resource Identifiers using the Domain Name System [Proposed]		
	<draft-ietf-urn-dns-rds-01.txt>		
	The Naming Authority Pointer (NAPTR) DNS Resource Record [Proposed]		
	<draft-ietf-urn-naptr-rr-03.txt>		
	o 5250 Telnet Enhancements [Proposed]		Jun 11
	<draft-ietf-tn3270e-tn5250e-05.txt>	APP	
	o GSTN address element extensions in e-mail services		Jun
28	[Proposed]	APP	
	<draft-ietf-fax-fulladdr-06.txt>		
	o Internet Printing Protocol/1.1: Encoding and Transport [Proposed]		Aug 12
	<draft-ietf-ipp-protocol-v11-03.txt>	APP	
	Internet Printing Protocol/1.1: Model and Semantics [Proposed]		
	<draft-ietf-ipp-model-v11-04.txt>		
IANA	posed questions on both documents.		
	o Uniform Resource Identifiers for Television Broadcasts [Informational]		Sep 13
	<draft-zigmond-tv-url-02.txt>	APP	

	o ARP and IP Broadcast over HIPPI-800 [Proposed]		Nov 1
	<draft-pittet-hippiarp-03.txt>		INT
	IP and ARP over HIPPI-6400 (GSN) [Proposed]		
	<draft-pittet-gsnlan-02.txt>		
	o The Use of HMAC-RIPEMD-160-96 within ESP and AH [Proposed]		Nov 16
	<draft-ietf-ipsec-auth-hmac-ripemd-160-96-04.txt>		SEC
Note: Per IANA, reference section (04) needs to be updated			
	o Certificate Management Messages over CMS [Proposed]		Nov 16
	<draft-ietf-pkix-cmc-05.txt>	SEC	
Note: References (now RFCs) to be updated			
	o The text/html Media Type [Informational]		Nov 17
	<draft-conolly-text-html-02.txt>	APP	
	RFC1866 Hypertext Markup Language - 2.0 [Historic]		
	RFC1867 Form-based File Upload in HTML [Historic]		
	RFC1942 HTML Tables [Historic]		
	RFC1980 A Proposed Extension to HTML: Client-Side Image Maps [Historic]		
	RFC2070 Internationalization of the Hypertext Markup Language [Historic]		
	o IMAP4 ID extension [Proposed]		Dec 15
	<draft-showalter-imap-id-03.txt>	APP	
	o Real-Time Transport Protocol Management Information Base [Proposed]		Dec 16
	<draft-ietf-avt-rtp-mib-07.txt>	TSV	
	o The Interfaces Group MIB [Draft]		Dec 20
	<draft-ietf-ifmib-ifmib2-01.txt>	INT	
	o Remote Authentication Dial In User Service (RADIUS)[Draft]		Dec
21	<draft-ietf-radius-radius-v2-02.txt>		OPS
	o RADIUS Attributes for Tunnel Protocol Support [Proposed]		Dec
21	<draft-ietf-radius-tunnel-auth-09.txt>		OPS
	o Telnet Authentication Option [Proposed]		Dec 22
	<draft-tso-telnet-auth-enc-04.txt>	SEC	
	Telnet Authentication: Kerberos Version 5 [Proposed]		
	<draft-tso-telnet-krb5-03.txt>		
	Telnet Authentication Using DSA [Proposed]		
	<draft-housley-telnet-auth-dsa-04.txt>		
	Telnet Authentication Using KEA and SKIPJACK [Proposed]		
	<draft-housley-telnet-auth-keasj-04.txt>		
	Telnet Authentication: SRP [Proposed]		
	<draft-wu-telnet-auth-srp-04.txt>		
	The SRP Authentication and Key Exchange System [Proposed]		
	<draft-wu-srp-auth-03.txt>		
	Telnet Data Encryption Option [Proposed]		
	<draft-tso-telnet-encryption-04.txt>		
	Telnet Encryption: DES 64 bit Cipher Feedback [Proposed]		
	<draft-tso-telnet-enc-des-cfb-04.txt>		

- Telnet Encryption: DES 64 bit Output Feedback [Proposed]  
     <draft-tso-telnet-enc-des-ofb-04.txt>
- Telnet Encryption: DES3 64 bit Cipher Feedback [Proposed]  
     <draft-altman-telnet-enc-des3-cfb-01.txt>
- Telnet Encryption: DES3 64 bit Output Feedback [Proposed]  
     <draft-altman-telnet-enc-des3-ofb-01.txt>
- Telnet Encryption: CAST-128 64 bit Cipher Feedback [Proposed]  
     <draft-altman-telnet-enc-cast128-ofb-00.txt>
- Telnet Encryption: CAST-128 64 bit Cipher Feedback [Proposed]  
     <draft-altman-telnet-enc-cast128-cfb-00.txt>
- o The Inverted Stack Table Extension to the Interfaces Group MIB [Proposed] Dec 28  
INT  
     <draft-ietf-ifmib-invstackmib-02.txt>

## 6. ON HOLD

- o BGP4 MIB [Draft] RTG  
DEC95  
     <draft-ietf-idr-bgp4-mib-04.txt>
- Status: Waiting for implementation experience report
- o DHCP Relay Agent Information Option [Proposed] INT  
     <draft-ietf-dhc-agent-options-07.txt>
- Status: Waiting to resolve issues with SC2
- o Applicability Statement for HTTP State Management [BCP] APP  
IESG  
     <draft-iesg-http-cookies-02.txt>
- HTTP State Management Mechanism [Proposed]  
     <draft-ietf-http-state-man-mec-12.txt>
- Note: WAS Tentatively approved - waiting on Keith and Thomas  
     Now waiting for updated document and new last call.
- o UTF-16, an encoding of ISO 10646 [Proposed] APP  
     <draft-hoffman-utf16-05.txt>
- Note: Returned to author
- o IETF Discussion List Charter [BCP]  
     <draft-ietf-poisson-listaup-01.txt>
- Note: Waiting for legal opinion then back on Agenda
- o Definitions of Managed Objects for Frame Relay Service [Proposed]  
     <draft-ietf-frnetmib-frs-mib-09.txt>
- Definitions of Managed Objects for Monitoring and Controlling the Frame Relay/ATM PVC Service Interworking Function [Proposed]  
     <draft-ietf-frnetmib-atmiwf-04.txt>
- Note: Waiting for MIB Doc Review. Then back on Agenda

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id MAA08421  
for <iesg@ietf.org>; Mon, 10 Jan 2000 12:16:07 -0500 (EST)  
Date: Mon, 10 Jan 2000 12:16:56 -0500 (Eastern Standard Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: DRAFT Agenda for Jan 13  
Message-ID: <Pine.WNT.3.96.1000110120259.-648145C-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
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INTERNET ENGINEERING STEERING GROUP (IESG)  
Draft Agenda for the January 13, 2000 IESG Teleconference

1. Administrivia

- o Roll Call
- o Bash the Agenda
- o Approval of the Minutes
  - December 30

2. Protocol Actions

- o Coexistence between Version 1, Version 2, and Version 3 of the Internet-standard Network Management Framework [Proposed]  
<draft-ietf-snmv3-coex-06.txt>
- o URLs for Telephone Calls [Proposed]  
<draft-antti-telephony-url-12.txt>
- o SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Admission Control over IEEE 802-style networks [Proposed]  
<draft-ietf-issll-is802-sbm-09.txt>  
Integrated Service Mappings on IEEE 802 Networks [Proposed]  
<draft-ietf-issll-is802-svc-mapping-04.txt>  
A Framework for Providing Integrated Services Over Shared and Switched IEEE 802 LAN Technologies [Informational]  
<draft-ietf-issll-is802-framework-07.txt>
- o Network Services Monitoring MIB [Proposed]  
<draft-ietf-madman-netsm-mib-06.txt>
- o Mail Monitoring MIB [Proposed]  
<draft-ietf-madman-email-mib-05.txt>

- o Upgrading to TLS Within HTTP/1.1 [Proposed]  
     <draft-ietf-tls-http-upgrade-05.txt>
  - o Generic Routing Encapsulation (GRE) [Proposed]  
     <draft-meyer-gre-update-02.txt>
  - o Mobile IP Vendor/Organization-Specific Extensions [Proposed]  
     <draft-ietf-mobileip-vendor-ext-06.txt>
  - o IANA Allocation Guidelines For Values In the Internet  
     Protocol and Related Headers [BCP]  
     <draft-bradner-iana-allocation-04.txt>
  - o Definitions of Managed Objects for the Virtual Router  
     Redundancy Protocol [Proposed]  
     <draft-ietf-vrrp-mib-09.txt>
- Note: Needs draft-ietf-vrrp-spec-v2
- o Certificate Management Messages over CMS [Proposed]  
     <draft-ietf-pkix-cmc-05.txt>
- Note: References (now RFCs) to be updated

### 3. Working Group Actions

Internationalized Domain Name System (idn)  
 IP over Cable Data Network (ipcdn) - Recharter  
 IP Security Policy (ipsp)  
 Configuration Management with SNMP (snmpconf)

### 4. Working Group Documents

- |                                                                                                                            |     |
|----------------------------------------------------------------------------------------------------------------------------|-----|
| o IP Multicast Applications: Challenges and Solutions<br>[Informational]<br><draft-ietf-mboned-mcast-apps-01.txt>          | OPS |
| Note: 13 docs referenced. Normative?<br>TSV Directorate to review                                                          |     |
| o RADIUS Extensions [Informational]<br><draft-ietf-radius-ext-05.txt>                                                      | OPS |
| o Implementation of L2TP Compulsory Tunneling via RADIUS<br>[Informational]<br><draft-ietf-radius-tunnel-imp-05.txt>       | OPS |
| o RADIUS Accounting Modifications for Tunnel Protocol<br>Support [Informational]<br><draft-ietf-radius-tunnel-acct-05.txt> | OPS |
| o Intrusion Detection Message Exchange Requirements<br>[Informational]<br><draft-ietf-idwg-requirements-02.txt>            | SEC |
| o OSPF over ATM and Proxy PAR [Experimental]<br><draft-ietf-ospf-atm-03.txt>                                               | RTG |
| o Proxy PAR [Informational]<br><draft-ietf-ion-proxypar-arch-01.txt>                                                       | INT |
| o XML-Signature Requirements [Informational]                                                                               | SEC |

<draft-ietf-xmlsig-requirements-02.txt>

## 5. Individual Submissions (non-wg)

- o Scalable Routing Design Principles [Informational] RTG  
    <draft-yu-routing-scaling-02.txt>
- o Diffie-Helman USM Key Management Information Base and Textual Convention [Experimental] SEC  
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- o Internet Security Glossary SEC  
    <draft-shirey-security-glossary-01.txt>

## 6. Working Group News We Can Use

## 7. IAB News we can use

## 8. Management Issues

- o Keeping the WG in the loop
- o Determining approval levels when abstains are issued
- o Pilot IESG Web page

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us [10.27.5.106])  
    by ietf.org (8.9.1a/8.9.1a) with SMTP id RAA25906  
    for <iesg@ietf.org>; Wed, 12 Jan 2000 17:36:03 -0500 (EST)  
Date: Wed, 12 Jan 2000 17:36:40 -0500 (Eastern Standard Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: Telechat Package for January 13  
Message-ID: <Pine.WNT.3.96.1000112170747.-415101B-100000@scoya.cnri.reston.va.us>

X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

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Note: References (now RFCs) to be updated

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IP over Cable Data Network (ipcdn) - Recharter

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- o Internet Security Glossary SEC  
    <draft-shirey-security-glossary-01.txt>
- o Pulse-Per-Second API for UNIX-like Operating Systems, APP  
    Version 1.0 [Informational]  
    <draft-mogul-pps-api-06.txt>

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INTERNET ENGINEERING STEERING GROUP (IESG)  
December 30, 1999

Reported by: Steve Coya, IETF Executive Director

ATTENDEES

-----

Bradner, Scott / Harvard  
Bush, Randy / Verio  
Carpenter, Brian / IBM (IAB Liaison)  
Coltun, Rob / Siara Systems  
Coya, Steve / IETF  
Faltstrom, Patrik / Tele2  
Freed, Ned / Innosoft (IAB Liaison)  
Leech, Marcus / Nortel  
Marine, April / Internet Engines  
Narten, Thomas / IBM  
Nordmark, Erik / Sun  
Oran, Dave / Cisco  
Paxson, Vern / ACIRI/ICSI  
Schiller, Jeff / MIT  
Wijnen, Bert / IBM

Regrets

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Baker, Fred / Cisco Systems  
Moore, Keith / U of Tennessee  
Reynolds, Joyce K. / ISI (IANA Liaison)

Minutes

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1. The minutes of the December 16 Teleconference were approved. Steve to place in public archives.
2. The IESG approved publication of IAB and IESG Selection, Confirmation, and Recall <draft-ietf-poisson-nomcom-v2-01.txt> as a BCP with two editorial changes:
  1. In Section 2, subsection (6), the last paragraph should be changed from:

It is consistent with this rule for nominating committee

members who have served on prior nominating committees to advise the current committee on the deliberations and results of the prior committee, as necessary and appropriate.

to:

It is consistent with this rule for current nominating committee members who have served on prior nominating committees to advise the current committee on the deliberations and results of the prior committee, as necessary and appropriate.

2. In Section 3, subsection (7), the text "in favor of a specific outcome." should be appended at the end of the second paragraph. The end result will be:

A method is fair if each eligible volunteer is equally likely to be selected. A method is unbiased if no one can influence its outcome in favor of a specific outcome.

In the same action, the IESG approved Publicly Verifiable Nomcom Random Selection <draft-eastlake-selection-04.txt> as an Informational RFC. Steve to add the RFC Editor note and then send the announcement.

3. The IESG approved publication of Host Resources MIB <draft-ops-hostmib-01.txt> as a Draft Standard. Steve to send announcement.
4. The IESG approved publication of Methods for Avoiding the 'Small-Subgroup' Attacks on the Diffie-Hellman Key Agreement Method for S/MIME <draft-ietf-smime-small-subgroup-03.txt> as an Informational RFC. Steve to send announcement.
5. The IESG consensus was that publication of NECP the Network Element Control Protocol <draft-cerpa-wrec-necp-01.txt> should not be published as an Informational RFC at this time, but should be submitted to the WREC Working Group for review. Steve to notify RFC Editor.

Subject: Ballot: Coexistence between Version 1, Version 2, and Version 3  
of the Internet-standard Network Management Framework to  
Proposed Standard

-----

Last Call to expire on: January 10, 2000

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ X ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ X ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

=====  
COMMENTS

April: 10. Editor's Address

should be: Editors' Addresses

^L

Subject: Protocol Action: Coexistence between Version 1, Version 2, and  
Version 3 of the Internet-standard Network Management  
Framework to Proposed Standard

-----

The IESG has approved the Internet-Draft 'Coexistence between Version  
1, Version 2, and Version 3 of the Internet-standard Network Management  
Framework' <draft-ietf-snmpv3-coex-06.txt> as a Proposed Standard.

This document is the product of the SNMP Version 3 Working Group. The IESG contact persons are Bert Wijnen and Randy Bush.

## Technical Summary

The purpose of this document is to describe coexistence between version 3 of the Internet-standard Network Management Framework, (SNMPv3), version 2 of the Internet-standard Network Management Framework (SNMPv2), and the original Internet-standard Network Management Framework (SNMPv1). This document obsoletes RFC 1908 (which is at Draft Standard) and RFC 2089 (which is Informational).

The document also contains a MIB module for the `snmpCommunityMIB` which helps to support the coexistence. It allows to configure SNMPv1 and SNMPv2c community strings and then map them into a `SecurityName` and `Context` such that it fits into the SNMP architecture defined in RFC 2571. This then also allows SNMPv1 and SNMPv2 access to management information to be controlled via the View-based Access Control Model (VACM) as defined in RFC 2575.

## Working Group Summary

It took the WG a while to reach agreement on all aspects of the coexistence document. This document does represent the consensus of the SNMPv3 WG.

## Protocol Quality

The document has been reviewed for the IESG by Bert Wijnen and Randy Bush.

Subject: Ballot: URLs for Telephone Calls to Proposed Standard

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Last Call to expire on: November 11, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[ ]	[ ]	[ ]
Scott Bradner	[ X ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

^L

Subject: Protocol Action: URLs for Telephone Calls to Proposed Standard

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The IESG has approved the Internet-Draft 'URLs for Telephone Calls' <draft-antti-telephony-url-12.txt> as a Proposed Standard. This has been reviewed in the IETF but is not the product of an IETF Working Group. The IESG contact persons are Scott Bradner and Vern Paxson.

#### Technical Summary

This document specifies URL (Uniform Resource Locator) schemes ''tel'', ''fax'' and ''modem'' for specifying the location of a terminal in the phone network and the connection types (modes of operation) that can be used to connect to that entity. This specification covers voice calls (normal phone calls, answering machines and voice messaging systems), facsimile (telefax) calls and data calls, both for POTS and digital/mobile subscribers.

The "tel" scheme describes a connection to a terminal that handles normal voice telephone calls, a voice mailbox or another voice messaging system or a service that can be operated using DTMF tones.

The "fax" scheme describes a connection to a terminal that can handle telefaxes (facsimiles). The name (scheme specifier) for the URL is "fax" as recommended by ITU-T Recommendation E.123.

The "modem" scheme describes a connection to a terminal that can handle incoming data calls. The term "modem" refers to a device that does digital-to-analog and analog-to-digital conversions; in addition to these, a "modem" scheme can describe a fully digital connection.

#### Working Group Summary

Although an individual submission this document was reviewed by both the mmusic and pint working groups. A number of changes were made in the document in response to comments by members of these working groups and in response to comments during the IETF Last-Call.

#### Protocol Quality

This document was reviewed for the IESG by Scott Bradner.

Subject: Ballot: SBM (Subnet Bandwidth Manager): A Protocol for  
RSVP-based Admission Control over IEEE 802-style networks to  
Proposed Standard

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Last Call to expire on: December 17, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ ]	[ ]	[ X ]
Scott Bradner	[ X ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

^L

Subject: Protocol Action: SBM (Subnet Bandwidth Manager): A Protocol  
for RSVP-based Admission Control over IEEE 802-style networks  
to Proposed Standard

-----

The IESG has approved the following Internet-Drafts as Proposed  
Standards:

- o SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Admission  
Control over IEEE 802-style networks  
<draft-ietf-issll-is802-sbm-09.txt>
- o Integrated Service Mappings on IEEE 802 Networks  
<draft-ietf-issll-is802-svc-mapping-04.txt>

In the same action, the IESG also approved publication of A Framework

for Providing Integrated Services Over Shared and Switched IEEE 802 LAN Technologies <draft-ietf-issll-is802-framework-07.txt> as an Informational RFC.

These documents are the product of the Integrated Services over Specific Link Layers Working Group. The IESG contact persons are Scott Bradner and Vern Paxson.

## Technical Summary

These documents define the Subnet Bandwidth Manager (SBM) protocol, a set of service mappings to be used with SBM and a framework for providing Integrated Services over shared and switched IEEE-802-style LAN technologies.

The SBM (Subnet Bandwidth Manager) protocol provides a method for mapping an internet-level setup protocol such as RSVP onto IEEE 802-style networks. In particular, it describes the operation of RSVP-enabled hosts/routers and link layer devices (switches, bridges) to support reservation of LAN resources for RSVP-enabled data flows.

The service mapping document describes mappings of IETF Integrated Services over LANs built from IEEE 802 network segments which may be interconnected by IEEE 802.1D MAC Bridges (switches). It describes parameter mappings for supporting Controlled Load and Guaranteed Service using the inherent capabilities of relevant IEEE 802 technologies

The framework document describes a framework for supporting IETF Integrated Services on shared and switched LAN infrastructure. It includes background material on the capabilities of IEEE 802 like networks with regard to parameters that affect Integrated Services such as access latency, delay variation and queuing support in LAN switches. It discusses aspects of IETF's Integrated Services model that cannot easily be accommodated in different LAN environments. It outlines a functional model for supporting the Resource Reservation Protocol (RSVP) in such LAN environments.

## Working Group Summary

The working group supported the publication of these documents and no issues were raised during IETF Last-Call.

## Protocol Quality

These documents were reviewed for the IESG by Scott Bradner.



Subject: Ballot: Network Services Monitoring MIB to Proposed Standard

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Last Call to expire on: December 20, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ X ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ ]	[ X ]	[ ]
Keith Moore	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

DISCUSS

=====

Scott: note:

assocApplicationProtocol OBJECT-TYPE

SYNTAX OBJECT IDENTIFIER

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"An identification of the protocol being used for the application. For an OSI Application, this will be the Application Context. For Internet applications, the IANA maintains a registry of the OIDs which correspond to well-known applications.

it would seem that this doc needs an IANA considerations section telling the IANA how to maintain the above mentioned registry of assocApplicationProtocol OIDs

It looks like there should be an RFC Editor note to say that

"XXXX" should be replaced by the number assigned to this RFC and note that the "XXXX" occurs in 11 places. (since this normally only happens once or twice in most MIBs)

April: Basically a question. Does the following comment refer to Mark Wahl's last call comments (which were similar)? If not, were they addressed? (If you say yes, then I have no objection.)

>  
> Protocol Quality  
>  
> During IETF Last Call and IESG review, it was pointed out that  
> the MIB defined some objects with a Syntax of DisplayString,  
> which is basically (US) NVT ASCII.  
> These objects have been changed to now allow for international  
> character strings and they now use UTF-8 based syntax. The  
> approach taken is considered to have only a small (if any)  
> impact for existing implementations.

^L

Subject: Protocol Action: Network Services Monitoring MIB to Proposed  
Standard

-----

The IESG has approved the Internet-Draft 'Network Services Monitoring MIB' <draft-ietf-madman-net-sm-mib-05.txt> as a Proposed Standard. This document is the product of the Mail and Directory Management Working Group. The IESG contact persons are Keith Moore and Patrik Faltstrom.

## Technical Summary

A networked application is a realization of some well-defined service on one or more host computers that is accessible via some network, uses some network for its internal operations, or both.

There are a wide range of networked applications for which it is appropriate to provide SNMP monitoring of their network usage. This includes applications using both TCP/IP and OSI networking. This document defines a MIB which contains the elements common to the monitoring of any network service application. This information includes a table of all monitorable network service applications,

a count of the associations (connections) to each application, and basic information about the parameters and status of each application-related association.

This MIB may be used on its own for any application, and for most simple applications this will suffice. This MIB is also designed to serve as a building block which can be used in conjunction with application-specific monitoring and management. Two examples of this are MIBs defining additional variables for monitoring a Message Transfer Agent (MTA) service or a Directory Service Agent (DSA) service. It is expected that further MIBs of this nature will be specified.

This MIB does not attempt to provide facilities for management of the host or hosts the network service application runs on, nor does it provide facilities for monitoring applications that provide something other than a network service. Host resource and general application monitoring is handled by either the Host Resources MIB or the application MIB.

#### Working Group Summary

The working group discussion on this document was brief and noncontroversial.

#### Protocol Quality

During IETF Last Call and IESG review, it was pointed out that the MIB defined some objects with a Syntax of DisplayString, which is basically (US) NVT ASCII. These objects have been changed to now allow for international character strings and they now use UTF-8 based syntax. The approach taken is considered to have only a small (if any) impact for existing implementations.

The document has been reviewed for the IESG by Steve Waldbusser and Bert Wijnen.

Subject: Ballot: Mail Monitoring MIB to Proposed Standard

-----

Last Call to expire on: December 20, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ X ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ X ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

DISCUSS

=====

Scott: note:

there is a

"Changes made since RFC 2249" section, should there also be a

"Changes made since RFC 1566" section?

mtaGroupMailProtocol OBJECT-TYPE

SYNTAX OBJECT IDENTIFIER

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"An identification of the protocol being used by this group.

For an group employing OSI protocols, this will be the

Application Context. For Internet applications, the IANA

maintains a registry of the OIDs which correspond to well-known  
message transfer protocols.

does this doc need an IANA considerations section to  
tell the IANA how to maintain the above registry?

^L

Subject: Protocol Action: Mail Monitoring MIB to Proposed Standard

-----

The IESG has approved the Internet-Draft 'Mail Monitoring MIB' <draft-ietf-madman-email-mib-04.txt> as a Proposed Standard, obsoleting RRC1566 and RFC2249.

This document is the product of the Mail and Directory Management Working Group. The IESG contact persons are Keith Moore and Patrik Faltstrom.

#### Technical Summary

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. Specifically, this memo extends the basic Network Services Monitoring MIB defined in the Network Services Monitoring MIB to allow monitoring of Message Transfer Agents (MTAs). It may also be used to monitor MTA components within gateways.

#### Working Group Summary

Working group discussion was terse and noncontroversial.

#### Protocol Quality

During IETF Last Call and IESG review, it was pointed out that the MIB defined some objects with a Syntax of DisplayString, which is basically (US) NVT ASCII. These objects have been changed to now allow for international character strings and they now use UTF-8 based syntax. The approach taken is considered to have only a small (if any) impact for existing implementations.

The document has been reviewed for the IESG by Steve Waldbusser and Bert Wijnen.

Subject: Ballot: Upgrading to TLS Within HTTP/1.1 to Proposed Standard

-----

Last Call to expire on: October 4, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[ ]	[ ]	[ ]
Scott Bradner	[ X ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

^L

Subject: Protocol Action: Upgrading to TLS Within HTTP/1.1 to Proposed  
Standard

-----

The IESG has approved the Internet-Draft 'Upgrading to TLS Within HTTP/1.1' <draft-ietf-tls-http-upgrade-05.txt> as a Proposed Standard. This document is the product of the Transport Layer Security Working Group. The IESG contact persons are Jeffrey Schiller and Marcus Leech.

#### Technical Summary

'HTTP Over TLS' documents how TLS is used today to secure 'https' URL connections. 'Upgrading to TLS Within HTTP/1.1' defines a mechanism for "upgrading" a non-secure http connection to a secure connection making use of TLS without requiring the use of an additional port (as is used

in https). This is important because protocols beyond simple web browsing are being layered on top of HTTP. For each such protocol today we require two new port assignments. One for the protocol without TLS and one for the protocol with TLS. The adoption of the techniques described in 'Upgrading to TLS Within HTTP/1.1' will alleviate the need for the second port, thus preserving our scarce TCP port space.

#### Working Group Summary

The working group supports these documents and the versions of the documents here address the issues raised during IETF Wide last call.

#### Protocol Quality

Jeff Schiller has reviewed these documents for the IESG.

Subject: Ballot: Generic Routing Encapsulation (GRE) to Proposed  
Standard

-----

Last Call to expire on: December 30, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ ]	[ ]	[ ]
Scott Bradner	[ X ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ X ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

COMMENT

=====

April: very nitty nit: It's a bit strange to have the last three sections be nothing but headers. I think he means the subheads under section 12 to be bullets really.

^L

Subject: Protocol Action: Generic Routing Encapsulation (GRE) to  
Proposed Standard

-----

The IESG has approved the Internet-Draft 'Generic Routing Encapsulation (GRE)' <draft-meyer-gre-update-02.txt> as a Proposed Standard. This has been reviewed in the IETF but is not the product of an IETF Working Group.

The IESG contact persons are Thomas Narten and Erik Nordmark.

## Technical Summary

This document specifies a protocol for encapsulation of an arbitrary network layer protocol over another arbitrary network layer protocol. This document takes the parts of RFC 1701 (GRE) that are actually in widespread use and removes those features that are not. Implementations of this document will interoperate with deployed GRE systems.

## Working Group Summary

The document is not a WG product. During the extended last call, a number of comments were received, including objections to having extensions that moved beyond RFC 1701. All of those extensions were removed from this document. Some comments were received suggesting extensions to the base document. Those suggestions may be pursued in a followup document extending GRE, but were not incorporated in this document as they were not considered critical enough to justify a resultant non-interoperability with the installed base.

## Protocol Quality

This specification was reviewed for the IESG by Randy Bush, Thomas Narten, and Erik Nordmark.

Subject: Ballot: Mobile IP Vendor/Organization-Specific Extensions to  
Proposed Standard

-----

Last Call to expire on: January 13, 2000

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ X ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ X ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

DISCUSS

=====

Scott: notes:

#### 4. IANA Considerations

The numbers for the Vendor/Organization Specific extensions are taken from the numbering space defined for Mobile IP registration extensions defined in RFC 2002 [1]. The number for CVSE (section 2.2) is taken from the range 0-127 (not skippable) and the number for NVSE (section 2.3) is taken from the range 128-255 (skippable). These MUST NOT conflict with any numbers used in RFC 2002[1], RFC 2344 [3], RFC 2356 [4], Mobile IP Challenge/Response Extensions Draft [5], Mobile IP Network Access Identifier Extensions Draft[6], or Mobile IP Based Micro Mobility Management Protocol in The Third Generation Wireless Network Draft [7]. The Code values specified for errors, listed in section 2.5, MUST NOT conflict with any other code values listed in RFC 2002[1], RFC 2344 [3], RFC 2356 [4] Mobile IP Challenge/Response Extensions Draft

[5], Mobile IP Network Access Identifier Extensions Draft[6], or Mobile IP Based Micro Mobility Management Protocol in The Third Generation Wireless Network Draft [7].

Enumerating the specific documents seems to be the wrong approach here -

- 1/ the list includes a number of IDs which may or may not get approved
- 2/ is limited to a snapshot in time

it would seem to be better to replace this with a statement of principle that says that the value is from the spaces defined in RFC 2002 ( CVSE & Errors). (the IANA knows not to assign overlapping values)

But since RFC 2002 does not have a IANA Considerations section someplace there should be a doc that tells the IANA how to assign the values (in a more substantive way than to say "no conflicts") see draft-ietf-tls-http-upgrade-05.txt for an example of a good IANA considerations section

#### COMMENTS

=====

April: nits for editor:

1. doc starts out fine, then the paras become right-justified.
2. MUST and SHOULD are defined, but MUST NOT is not defined. Is it ok to imply that MUST NOT is the opposite of MUST or should it be called out?
3. Three times in section 2.3 there is a sentence along these lines:

When a Mobile IP entity receives a mobile IP related message (registration request/reply, advertisement/solicitation, etc) with an extension of type 134 (NVSE) and recognizes it, but the extension contains an unknown/unsupported vendor ID or does not know how to interpret the opaque data or a part of opaque data, that particular extension is skipped.

Which really should be:

When a Mobile IP entity receives a mobile IP related message

^^^^^^

^^^^^^

(registration request/reply, advertisement/solicitation, etc) with an extension of type 134 (NVSE) and recognizes it, but the extension

contains an unknown/unsupported vendor ID or the entity does not know  
^^^^^^^^^^  
how to interpret the opaque data or a part of opaque data, that  
particular extension is skipped.

(I wouldn't hold up a doc for that, but if changes are being made anyway.)

4. The end of the SHOULD definition in 1.1 is:

"Unexpected results may result otherwise."

maybe "may occur"?

^L

Subject: Protocol Action: Mobile IP Vendor/Organization-Specific  
Extensions to Proposed Standard

-----

The IESG has approved the Internet-Draft 'Mobile IP  
Vendor/Organization-Specific Extensions'  
<draft-ietf-mobileip-vendor-ext-06.txt> as a Proposed Standard. This  
document is the product of the IP Routing for Wireless/Mobile Hosts  
Working Group. The IESG contact persons are David Oran and Rob  
Coltun.

#### Technical Summary

The vendor/organization specific extension I-D specifies two new  
extensions to the Mobile IP protocol (RFC2002). The current specification  
of Mobile IP [1] does not allow for organizations and vendors  
to include organization/vendor-specific information in the Mobile IP  
messages. The two new extensions proposed in the I-D (Critical and  
Non-Critical Vendor Specific Extensions) add this capability to Mobile  
IP.

Vendors who are implementing Mobile IP in their products require the  
capability of sending vendor specific information in Mobile IP  
messages. These extensions are a way of enabling them to do so.

#### Working Group Summary

No significant or for that matter any dissent was expressed by the WG  
about this I-D. Most vendors who are implementing or have

implementations welcome this capability to Mobile IP. Also the TR45.6 body in the TIA expressed support for this I-D.

#### Protocol Quality

The proposal in this I-D is the addition of two new extensions to Mobile IP and not really a protocol by itself. There are currently no known implementations of these extensions. The extensions are intended to be specifically used by vendors for their own needs and hence there is no question about interoperability between implementations.

This specification was reviewed for the IESG by Dave Oran

Subject: Ballot: IANA Allocation Policies For Values In the Internet  
Protocol and Related Headers to BCP

-----

Last Call to expire on: November 8, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ X ]	[ ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ X ]
Randy Bush	[ X ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ X ]	[ ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ X ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

COMMENT

=====

April: A few minor edits that should be taken care of:

4.2 superceded --> superseded  
^

4.4.2

For example, [ADSCP] assigned a number of IPv4 multicast address to correspond to IPv6 scoped multicast addresses also, the values in the range from 224.0.0.0 to 224.0.0.255 , inclusive, are reserved by the IANA for the use of routing protocols and other low-level topology discovery or maintenance protocols, such as gateway discovery and group membership reporting.

put a period after "addresses" and capitalize "Also" to make 2 sentences.

later in same section, capitalize "these" at start of sentence "These will originate in an IESG Approval Process...." [temporary assignment of multicast space]

5.4.2

Assignment of IPv6 Anycast subnet addresses  
follows the process used described in [V6AD].

^^^^^^^^^^^^^^^^^^^^^^^^^^^^

probably delete "used"

12. Author's Addresses

--> Authors' Addresses

^L

Subject: Protocol Action: IANA Allocation Policies For Values In the  
Internet Protocol and Related Headers to BCP

-----

The IESG has approved the Internet-Draft 'IANA Allocation Policies For Values In the Internet Protocol and Related Headers' <draft-bradner-iana-allocation-03.txt> as a BCP. This has been reviewed in the IETF, but is not the product of an IETF Working Group. The IESG contact person is Randy Bush.

## Technical Summary

For many years the Internet Assigned Numbers Authority (IANA) has allocated parameter values for fields in the network protocols which have been created or are maintained by the Internet Engineering Task Force (IETF). Starting a few years ago the IETF began to provide the IANA with guidance for the assignment of parameters for fields in newly developed protocols. Unfortunately this type of guidance was not consistently provided for the fields in protocols developed before 1998. This memo attempts to codify existing IANA practice used in the assignment of parameters in the specific case of some of these protocols. It is expected that additional memos will be developed in the future to codify existing practice in other cases.

This memo addresses the fields within the IPv4, TCP, UDP, ICMP and IPv6 headers for which the IANA assigns values.

#### Protocol Quality

The draft has been reviewed for utility and quality by Randy Bush.

Subject: Ballot: Definitions of Managed Objects for the Virtual Router  
Redundancy Protocol to Proposed Standard

-----

Last Call to expire on: June 10, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ X ]	[ ]
Randy Bush	[ X ]	[ ]	[ ]	[ ]
Rob Coltun	[ X ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ ]	[ ]	[ ]	[ ]
Bert Wijnen	[ X ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

DISCUSS

=====

Scott: note:

does this doc need an IANA considerations section to say how the IANA  
should assign new values in variable like vrrpOperProtocol &  
vrrpOperAuthType ?

```
vrrpOperProtocol OBJECT-TYPE
    SYNTAX  INTEGER {
        ip (1),
        bridge (2),
        decnet (3),
        other (4)
    }
```

```
vrrpOperAuthType OBJECT-TYPE
    SYNTAX  INTEGER {
        noAuthentication(1),
```

```
-- VRRP protocol exchanges are not
-- authenticated.
```

```
simpleTextPassword(2),      -- Exchanges are authenticated by a
                             -- clear text password.
ipAuthenticationHeader(3)  -- Exchanges are authenticated using
                             -- the IP authentication header.
}
```

^L

Subject: Protocol Action: Definitions of Managed Objects for the  
Virtual Router Redundancy Protocol to Proposed Standard

-----

The IESG has approved the Internet-Draft 'Definitions of Managed Objects for the Virtual Router Redundancy Protocol' <draft-ietf-vrrp-mib-09.txt> as a Proposed Standard. This document is the product of the Virtual Router Redundancy Protocol Working Group. The IESG contact persons are David Oran and Rob Coltun.

#### Technical Summary

This specification defines an extension to the Management Information Base (MIB) for use with SNMP-based network management. In particular, it defines objects for configuring, monitoring, and controlling routers that employ the Virtual Router Redundancy Protocol (VRRP) specified in RFC 2338.

#### Working Group Summary

The working group supports advancement of this draft. There was no significant dissent.

#### Protocol Quality

This draft has been reviewed by Bert Wijnen and Rob Coltun for the IESG.

There are a number of implementations.

Subject: Ballot: Certificate Management Messages over CMS to Proposed  
Standard

-----

Last Call to expire on: November 16, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ ]
Rob Coltun	[ ]	[ ]	[ ]	[ ]
Patrik Faltstrom	[ ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ ]	[ ]
Thomas Narten	[ ]	[ ]	[ ]	[ ]
Erik Nordmark	[ ]	[ ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ ]	[ ]	[ ]
Jeff Schiller	[ X ]	[ ]	[ ]	[ ]
Bert Wijnen	[ ]	[ ]	[ ]	[ ]

2/3 (10) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

^L

Subject: Protocol Action: Certificate Management Messages over CMS to  
Proposed Standard

-----

The IESG has approved the Internet-Draft 'Certificate Management Messages over CMS' <draft-ietf-pkix-cmc-05.txt> as a Proposed Standard. This document is the product of the Public-Key Infrastructure (X.509) Working Group. The IESG contact persons are Jeffrey Schiller and Marcus Leech.

#### Technical Summary

This document describes how to use the Cryptographic Message Syntax (CMS) (used by S/MIME) as the basis for a Certificate Management Protocol (CMP). A CMP is used by entities who have created a public/private key pair to communicate with a Certificate Authority (CA)

and arrange for the issuance and communication of a X.509 Certificate. This protocol must provide security services to ensure that the correct public key is provided to the CA and that the entity is in fact communicating with the CA it intends. CMC (this document) makes use of CMS as a substrate to build these services.

#### Working Group Summary

The working group supports these documents.

#### Protocol Quality

Jeff Schiller has reviewed these documents for the IESG.

## IP Security Policy (ipsp)

-----

### Charter

Current Status: Proposed Working Group

### Chair(s):

Luis Sanchez <lsanchez@bbn.com>

Roy Pereira <rpereira@timestep.com>

### Security Area Director(s):

Jeffrey Schiller <jis@mit.edu>

Marcus Leech <mleech@nortelnetworks.com>

### Security Area Advisor:

Marcus Leech <mleech@nortelnetworks.com>

### Mailing Lists:

General Discussion: [ipsec-policy@vpnc.org](mailto:ipsec-policy@vpnc.org)

To Subscribe: [ipsec-policy-request@vpnc.org](mailto:ipsec-policy-request@vpnc.org)

In Body: subscribe

Archive: <http://www.vpnc.org/ipsec-policy/>

### Description of Working Group:

The rapid growth of the Internet and the need to control access to network resources (bandwidth, routers, hosts, etc.) has quickly generated the need for representing, discovering, exchanging and managing the policies that control access to these resources in a scalable, secured and reliable fashion.

Current IP security protocols and algorithms [RFCs 2401-2412, 2085, 2104 and 2451] can exchange keying material using IKE [RFC2409] and protect data flows using the AH [RFC2402] and/or ESP protocols [RFC2406]. The scope of IKE limits the protocol to the authenticated exchange of keying material and associated policy information between the end-points of a security association.

However, along the path of a communication, there may be administrative entities that need to impose policy constraints on entities such as security gateways and router filters. There also is a need for end-points of a security association and/or, for their respective administrative entities, to securely discover and negotiate access control information for the end hosts and for the policy enforcement points (security gateways, routers, etc.) along the path of the communication.

To address these problems the IPSP Working Group will:

- 1) Specify a repository-independent Information Model and repository-specific Data Model for supporting IP security Policies. These models preferably derive from the Information Model and the Data Model as defined in the Policy Framework WG.
- 2) Develop or adopt an extensible policy specification language. The language should be generic enough to support policies in other protocol domains, but must provide the necessary security mechanisms that are vital to IPSEC.
- 3) provide guidelines for the provisioning of IPsec policies using existing policy distribution protocols. This includes profiles for distributing IPsec policies over protocols such as LDAP, COPS, SNMP, and FTP,
- 4) adopt or develop a policy exchange and negotiation protocol. The protocol must be capable of: i) discovering policy servers, ii) distributing and negotiating security policies, and; iii) resolving policy conflicts in both intra/inter domain environments. The protocol must be independent of any security protocol suite and key management protocol. Existing protocol work in the IETF, such as SLP, will be considered if such protocols meet the requirements of this work.
- 5) Work with the "Policy Terminology" design team to define a common set of terms used in documents in the area of Policy Based (Network) Management.

The proposed work item for this group would yield standards that are compatible with the existing IPsec architecture [RFC 2401] and IKE [RFC 2409], complementing the standards work achieved by the IPsec Working Group. The data model, specification language and exchange protocol will evolve from some of the work previously published in the following documents:

draft-ietf-ipsec-policy-model-00.txt

draft-ietf-ipsec-vpn-policy-schema-00.txt

draft-ietf-ipsec-spsl-00.txt

draft-ietf-ipsec-sps-00.txt

draft-ietf-ipsec-seconf-00.txt

This group will also coordinate with other IETF working groups working on specifying policies and policies schemas in order to maintain compatibility and interoperability. In particular, this working group will work closely with the Policy Framework WG to ensure that the IPsec Policy Information and data model fits and can be supported within the general Policy Framework.

#### Goals and Milestones:

Dec 99	Post an Internet-Draft on IPsec Policy Management Roadmap
Dec 99	Post an Internet-Draft on Requirements for IPsec Policy Management
Feb 00 Data	Post a revised draft for the IPsec Policy Information and Model
Feb 00	Post an Internet-Draft on the Security Policy System
Jun 00	Conduct initial interop testing of a Policy Exchange and Negotiation Protocol
Sep 00	Submit applicable drafts for PS consideration
Oct 00	Revisit WG charter

## Internationalized Domain Name System (idn)

---

### Charter

Current Status: Proposed Working Group

#### Chair(s):

James Seng <jseng@pobox.org.sg>

Marc Blanchet <Marc.Blanchet@viagenie.qc.ca>

#### Internet Area Director(s):

Thomas Narten <narten@raleigh.ibm.com>

Erik Nordmark <nordmark@eng.sun.com>

#### Internet Area Advisor:

Thomas Narten <narten@raleigh.ibm.com>

#### Mailing Lists:

General Discussion: idn@ops.ietf.org

To Subscribe: idn-request@ops.ietf.org

Archive:

### Description of Working Group:

The goal of the group is to investigate and specify the requirements for supporting internationalized domain names.

The scope of the group is to investigate the possible means of doing this and what technical impact they will have on the users of such names and on other users and administrators of the domain name system.

The group will not address the question of what, if any, body should administer or control usage of names that use this functionality.

The Action Item(s) for the Working Group are

1. An Informational RFC specifying the requirements for encoding International characters into DNS names and records. The document should provide guidance for development solutions to this problem, taking localized (e.g. writing order) and related operational issues into consideration.
2. An Informational RFC or RFC's documenting the various proposals and Implementations of Internationalization (i18n) of Domain Names. The document(s) should also provide a technical evaluation of the proposals by the Working Group.

## Goals and Milestones:

Jan 00	First draft of the requirements document
Feb 00	First draft of the proposal document(s)
Mar 00	Presentation and discussion at IETF-Adelaide
May 00	Second version of the requirement document
May 00	Second version of proposal document(s)
Jun 00	IETF presentation and wg last call
Jul 00	Requirements and proposal(s) sent to IESG for publication as Informational

## Configuration Management with SNMP (snmpconf)

---

Current Status: Proposed Working Group

### Chair(s):

Jonathan Saperia <saperia@mediaone.net>  
D. Harrington <dbh@cabletron.com>

### Operations and Management Area Director(s):

Randy Bush <randy@psg.com>  
Bert Wijnen <wijnen@vnet.ibm.com>

### Operations and Management Area Advisor:

Bert Wijnen <wijnen@vnet.ibm.com>

### Mailing Lists:

General Discussion:  
To Subscribe:  
Archive:

### Description of Working Group:

The working group will create a Best Current Practices document which outlines the most effective methods for using the SNMP Framework to accomplish configuration management. The scope of the work will include recommendations for device specific as well as network-wide (Policy) configuration. The group is also chartered to write any MIB modules necessary to facilitate configuration management, specifically they will write a MIB module which describes a network entities capabilities and capacities which can be used by management entities making policy decisions at a network level or device specific level.

As a proof of concept, the working group will also write a MIB module which describes management objects for the control of differentiated services policy in coordination with the effort currently taking place in the Differentiated Services Working Group.

### Deliverables

1. A Best Current Practices document to provide guidelines on how to best use the existing Internet Standard Management Framework to perform configuration management.
2. A MIB module which describes a network entities capabilities such as support for a particular type of security or a particular queuing method on certain interfaces. The module will also convey the capacity of the device to perform certain work.

3. A MIB module which can be used to concisely convey information about desired network wide Diffserv Based QoS behavior.  
AD wonders: We indeed only want to do QoS for Diffserv for now to prove the concepts, right?
4. A document which describes potential future work needed to meet all the Requirements for Configuration Management.

Goals and Milestones:

Jan 00	Announce Working Group and call for Input
Feb 00	Submit Initial Drafts for BCP and MIB Documents
Mar 00	Meet at 47th IETF in Adelaide
May 00	Interim Meeting
May 00 these	Revised Drafts for BCP and MIB Documents and WG Last Call Drafts. Submit to AD for consideration as BCP and PS.
Jun 00	Conduct Interoperability Testing
Jul 00 potential	New Internet Drafts, including a document describing future work.
Aug 00	Meet at 48th IETF meeting in Pittsburgh
Sep 00	WG Last Call on remaining Drafts. Submit to AD for consideration as BCP and PS.
Oct 00	Re-charter or shutdown WG.

## IP over Cable Data Network (ipcdn)

### Chair:

Mike St. Johns <stjohns@corp.home.net>

### Internet Area Director(s):

Thomas Narten <narten@raleigh.ibm.com>

Erik Nordmark <nordmark@eng.sun.com>

### Internet Area Advisor:

Thomas Narten <narten@raleigh.ibm.com>

### Mailing Lists:

General Discussion: ipcdn@terayon.com

To Subscribe: ipcdn-request@terayon.com

Archive: <ftp://ftp.terayon.com/pub/ipcdn>

### Description of Working Group:

The IETF IPCDN Working Group develops and standardizes SNMP MIBs for IP-capable data-over-cable systems, for example cable modems and associated cable-data equipment in a Headend. These MIBs cover not only cable data interfaces, but also management of cable-data equipment and systems.

The WG is also a forum for discussion of Internet-related issues in data-over-cable equipment and systems. In the event of a particular new Internet technology issue arising in the cable-data context, the WG will identify whether that is best handled within the IETF or is best handled by another standards body. In the event that new IETF work is identified, such items MAY be added that to the WG's charter, subject to normal IETF processes.

The IPCDN WG will also keep informed on what other groups in the industry are doing as it relates to the work of this working group.

### Related groups:

The IEEE 802.14 WG was chartered to specify the physical layer and data link layer protocols for the CATV Data Network. The IEEE has discontinued the IEEE 802.14 effort, so that group no longer exists.

DOCSIS has completed its 1.0 versions of Data over Cable standards and is

in the process of refining these standards to add additional functionality and to repair any flaws discovered in operational use. The IPCDN WG will update the documents produced which track the 1.0 versions accordingly. These include the RF Interface MIB and the Cable Device MIB. In addition, the operational and management issues of multicast over a Cable Data Network will be addressed.

#### Work items:

The IPCDN WG will address issues related to network management, especially as they concern HFC access networks. It is expected that other services (i.e. RSVP, IPSEC, etc.) will operate mostly unmodified.

- a MIB for managing the Telephone Modem Return Path (Telco Return) for 1-way cable modems. <draft-ietf-ipcdn-tri-mib-01.txt>
- a MIB for managing the Baseline Privacy system for DOCSIS. <draft-ietf-ipcdn-bpi-mib-01.txt>, <draft-ietf-ipcdn-bpiplus-mib-00.txt>
- a MIB for managing the Quality of Service parameters for a Cable Data Network. <draft-ietf-ipcdn-qos-mib-02.txt>
- a MIB for managing Multicast (IGMP) over a Cable Data Network. <draft-ietf-ipcdn-igmp-mib-00.txt>
- a MIB for CMTS based customer management <draft-ietf-ipcdn-subscriber-mib-00.txt>
- Revisions to the Proposed Standard RF and CM MIBs to address SNMPv3 and IPv6 compliance and interoperability issues.

#### Goals and Milestones:

Jan 2000 Post final I-D on Baseline Privacy MIB; Last call

Feb 2000 Post I-Ds revising RF and CM MIBs to support DOCSIS1.1 and for compliance with SNMPv3 and IPv6

Feb 2000 Submit Baseline Privacy MIB to IESG for publication as a Standards Track RFC

Mar 2000 Submit updated RF and CM MIBs to IESG with implementation statement for advancement to Draft Standard

Jun 2000 Working group concludes upon RFC acceptance.

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us  
[10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id JAA06809  
for <iesg@ietf.org>; Mon, 24 Jan 2000 09:08:33 -0500 (EST)  
Date: Mon, 24 Jan 2000 09:09:04 -0500 (Eastern Standard Time)  
From: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: DRAFT Minutes from January 13 Telechat  
Message-ID: <Pine.WNT.3.96.1000124090835.-428057A-  
100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \*

INTERNET ENGINEERING STEERING GROUP (IESG)  
January 13, 2000

Reported by: Steve Coya, IETF Executive Director

#### ATTENDEES

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Bradner, Scott / Harvard  
Bush, Randy / Verio  
Carpenter, Brian / IBM (IAB Liaison)  
Coltun, Rob / Siara Systems  
Coya, Steve / IETF  
Faltstrom, Patrik / Tele2  
Freed, Ned / Innosoft (IAB Liaison)  
Mankin, Allison / ISI East  
Marine, April / Internet Engines  
Moore, Keith / U of Tennessee  
Narten, Thomas / IBM  
Nordmark, Erik / Sun  
Oran, Dave / Cisco  
Paxson, Vern / ACIRI/ICSI  
Reynolds, Joyce K. / ISI (IANA Liaison)  
Schiller, Jeff / MIT  
Wijnen, Bert / IBM

## Regrets

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Baker, Fred / Cisco Systems  
Leech, Marcus / Nortel

## Minutes

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1. The minutes of the December 30 Teleconference were approved. Steve to place in public archives.
1. The IESG approved publication of URLs for Telephone Calls <draft-antti-telephony-url-12.txt> as a Proposed Standard, but with an RFC Note to remove the text pertaining to contact information about the protocol. Once added, Steve to send announcement.
2. The IESG tentatively approved publication of SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Admission Control over IEEE 802-style networks <draft-ietf-issll-is802-sbm-10.txt> as a Proposed Standard (once it exists). The new version will correct some formatting problems and downcase the one instance of capitalizing that was deemed unnecessary.

In the same action, the IESG approved Integrated Service Mappings on IEEE 802 Networks <draft-ietf-issll-is802-svc-mapping-04.txt> as a Proposed Standard and A Framework for Providing Integrated Services Over Shared and Switched IEEE 802 LAN Technologies <draft-ietf-issll-is802-framework-07.txt> as an Informational RFC.

Steve to send announcement once draft-ietf-issll-is802-sbm-10.txt is announced as an Internet-Draft.

3. The IESG approved publication of Network Services Monitoring MIB <draft-ietf-madman-netism-mib-07.txt> as a Proposed Standard, but with an RFC Editor note. Once the text is received from Ned, Steve to send announcement.
4. The IESG approved publication of Mail Monitoring MIB <draft-ietf-madman-email-mib-06.txt> as a Proposed Standard, but with an RFC Editor note. Once the text is received from Ned, Steve to send announcement.
5. The IESG approved publication of Upgrading to TLS Within HTTP/1.1 <draft-ietf-tls-http-upgrade-05.txt> as a Proposed Standard. Steve to send announcement.

6. Issues were raised preventing the approval of Generic Routing Encapsulation (GRE) <draft-meyer-gre-update-02.txt> as a Proposed Standard, and an update is required. When announced, Thomas will review and let Steve know if his concerns have been adequately addressed. If so, Steve to send announcement.
7. The IESG tentatively approved publication of IANA Allocation Guidelines For Values In the Internet Protocol and Related Headers <draft-bradner-iana-allocation-05.txt> as a BCP (once it exists). When announced, Thomas will review and let Steve know if his concerns have been adequately addressed. If so, Steve to send announcement.
8. The IESG approved publication of Definitions of Managed Objects for the Virtual Router Redundancy Protocol <draft-ietf-vrrp-mib-09.txt> as a Proposed Standard, but with an RFC Editor note. Once the text is received from Bert, Steve to send announcement.
9. The IESG approved publication of Certificate Management Messages over CMS <draft-ietf-pkix-cmc-05.txt> as a Proposed Standard, but with an RFC Editor note. Once the text is received from Jeff, Steve to send announcement.
10. The IESG approved creation of the IP Security Policy (ipsp) Working Group in the Security Area. Steve to send announcement.
11. Steve to send the proposed charter for the Internationalized Domain Name System (idn) WG to the IETF-Announce and new-work lists, once the Area Advisor is changed to Erik.
12. Steve to send the proposed charter for the Configuration Management with SNMP (snmpconf) WG to the IETF-Announce and new-work lists once Bert provides the mailing list information.
13. IP Multicast Applications: Challenges and Solutions <draft-ietf-mboned-mcast-apps-01.txt> was removed from consideration as an Informational RFC. Steve and Randy to both keep an eye out for updates. Once the document is ready, will be added to the agenda.
14. The IESG approved publication of Scalable Routing Design Principles <draft-yu-routing-scaling-03.txt> as an Informational RFC. Steve to send announcement.
15. The IESG had no problem with the publication of Diffie-Helman USM Key Management Information Base and Textual Convention <draft-stjohns-snmpv3-dhkeychange-mib-02.txt> as an Experimental Protocol. Steve to notify RFC Editor.

16. The IESG had no problem with the publication of Pulse-Per-Second API for UNIX-like Operating Systems, Version 1.0 <draft-mogul-pps-api-06.txt> as an Informational RFC. Steve to notify RFC Editor.

Received: from scoya.cnri.reston.va.us (scoya.cnri.reston.va.us [10.27.5.106])  
by ietf.org (8.9.1a/8.9.1a) with SMTP id QAA11849  
for <iesg@ietf.org>; Wed, 26 Jan 2000 16:35:01 -0500 (EST)  
Date: Wed, 26 Jan 2000 16:35:20 -0500 (Eastern Standard Time)  
From: Steve Coya <scoya@ietf.org>  
Reply-To: Steve Coya <scoya@ietf.org>  
To: iesg@ietf.org  
Subject: IESG Telechat Package for January 27  
Message-ID: <Pine.WNT.3.96.1000126143133.-625997P-100000@scoya.cnri.reston.va.us>  
X-X-Sender: scoya@odin.cnri.reston.va.us  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

INTERNET ENGINEERING STEERING GROUP (IESG)  
Agenda for the January 27, 2000 IESG Teleconference

1. Administrivia

- o Roll Call
- o Bash the Agenda
- o Approval of the Minutes
  - January 13
- o Prototype IESG Web Page

2. Protocol Actions

- o Deliver By SMTP Service Extension [Proposed]  
    <draft-newman-deliver-03.txt>

3. Working Group Actions

Internationalized Domain Name System (idn)  
Configuration Management with SNMP (snmpconf)

#### 4. Working Group Documents

- |                                                                                |     |
|--------------------------------------------------------------------------------|-----|
| o RADIUS Extensions [Informational]                                            | OPS |
| <draft-ietf-radius-ext-05.txt>                                                 |     |
| o Implementation of L2TP Compulsory Tunneling via RADIUS [Informational]       | OPS |
| <draft-ietf-radius-tunnel-imp-05.txt>                                          |     |
| o RADIUS Accounting Modifications for Tunnel Protocol Support [Informational]  | OPS |
| <draft-ietf-radius-tunnel-acct-05.txt>                                         |     |
| o Intrusion Detection Message Exchange Requirements [Informational]            | SEC |
| <draft-ietf-idwg-requirements-02.txt>                                          |     |
| o Proxy PAR [Informational]                                                    | INT |
| <draft-ietf-ion-proxypar-arch-01.txt>                                          |     |
| o Media Gateway control protocol architecture and requirements [Informational] | TSV |
| <draft-ietf-megaco-reqs-10.txt>                                                |     |
| o Access Control Requirements for LDAP [Informational]                         | APP |
| <draft-ietf-ldapext-acl-reqts-01.txt>                                          |     |

#### 5. Individual Submissions (non-wg)

- |                                                                                  |      |
|----------------------------------------------------------------------------------|------|
| o Internet Security Glossary                                                     | SEC  |
| <draft-shirey-security-glossary-02.txt>                                          |      |
| o Overview of the 1998 IAB Routing Workshop [Informational]                      | RTG? |
| <draft-ietf-iab-rtrws-over-02.txt>                                               |      |
| o Internet Relay Chat: Architecture [Informational]                              | APP  |
| <draft-kalt-irc-arch-00.txt>                                                     |      |
| Internet Relay Chat: Channel Management [Informational]                          |      |
| <draft-kalt-irc-chan-01.txt>                                                     |      |
| Internet Relay Chat: Client Protocol [Informational]                             |      |
| <draft-kalt-irc-client-03.txt>                                                   |      |
| Internet Relay Chat: Server Protocol [Informational]                             |      |
| <draft-kalt-irc-server-02.txt>                                                   |      |
| o NECP the Network Element Control Protocol [Informational]                      | TSV? |
| <draft-cerpa-necp-00.txt>                                                        |      |
| o Core MPLS IP VPN Architecture [Informational]                                  | RTG  |
| <draft-muthurkrishnan-mpls-corevpn-arch-00.txt>                                  |      |
| o Uniform Resource Identifiers for Television Broadcasts [Informational]         | APP  |
| <draft-zigmond-tv-url-03.txt>                                                    |      |
| o DSA and RSA Key and Signature Encoding for the KeyNote Trust Management System | SEC  |
| <draft-angelos-keynote-dsa-rsa-encoding-01.txt>                                  |      |

6. Working Group News We Can Use

7. IAB News we can use

8. Management Issues

- o Reaching consensus with abstains
- o Keeping WGs in the Loop

DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \*

INTERNET ENGINEERING STEERING GROUP (IESG)

January 13, 2000

Reported by: Steve Coya, IETF Executive Director

ATTENDEES

-----

Bradner, Scott / Harvard  
Bush, Randy / Verio  
Carpenter, Brian / IBM (IAB Liaison)  
Coltun, Rob / Siara Systems  
Coya, Steve / IETF  
Faltstrom, Patrik / Tele2  
Freed, Ned / Innosoft (IAB Liaison)  
Mankin, Allison / ISI East  
Marine, April / Nominum  
Moore, Keith / U of Tennessee  
Narten, Thomas / IBM  
Nordmark, Erik / Sun  
Oran, Dave / Cisco  
Paxson, Vern / ACIRI/ICSI  
Reynolds, Joyce K. / ISI (IANA Liaison)  
Schiller, Jeff / MIT  
Wijnen, Bert / IBM

Regrets

-----

Baker, Fred / Cisco Systems  
Leech, Marcus / Nortel

Minutes

-----

1. The minutes of the December 30 Teleconference were approved. Steve to place in public archives.
1. The IESG approved publication of URLs for Telephone Calls <draft-antti-telephony-url-12.txt> as a Proposed Standard, but with an RFC Note to remove the text pertaining to contact information about the protocol. Once added, Steve to send announcement.
2. The IESG tentatively approved publication of SBM (Subnet Bandwidth

Manager): A Protocol for RSVP-based Admission Control over IEEE 802-style networks <draft-ietf-issll-is802-sbm-10.txt> as a Proposed Standard (once it exists). The new version will correct some formatting problems and downcase the one instance of capitalizing that was deemed unnecessary.

In the same action, the IESG approved Integrated Service Mappings on IEEE 802 Networks <draft-ietf-issll-is802-svc-mapping-04.txt> as a Proposed Standard and A Framework for Providing Integrated Services Over Shared and Switched IEEE 802 LAN Technologies <draft-ietf-issll-is802-framework-07.txt> as an Informational RFC.

Steve to send announcement once draft-ietf-issll-is802-sbm-10.txt is announced as an Internet-Draft.

3. The IESG approved publication of Network Services Monitoring MIB <draft-ietf-madman-netism-mib-07.txt> as a Proposed Standard, but with an RFC Editor note. Once the text is received from Ned, Steve to send announcement.
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11. Steve to send the proposed charter for the Internationalized Domain Name System (idn) WG to the IETF-Announce and new-work lists, once the Area Advisor is changed to Erik.
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15. The IESG had no problem with the publication of Diffie-Helman USM Key Management Information Base and Textual Convention <draft-stjohns-snmpv3-dhkeychange-mib-02.txt> as an Experimental Protocol with an RFC Editor note to be provided by Bert. Once received, Steve to notify RFC Editor.
16. The IESG had no problem with the publication of Pulse-Per-Second API for UNIX-like Operating Systems, Version 1.0 <draft-mogul-pps-api-06.txt> as an Informational RFC. Steve to notify RFC Editor.

# Ballot: Deliver By SMTP Service Extension to Proposed Standard

-----

Last Call to expire on: February 20, 1999

Please return the full line with the vote.

	Yes	No-Objection	Discuss *	Abstain
Fred Baker	[ ]	[ X ]	[ ]	[ ]
Scott Bradner	[ ]	[ X ]	[ ]	[ ]
Randy Bush	[ ]	[ ]	[ ]	[ Y ]
Rob Coltun	[ ]	[ X ]	[ ]	[ ]
Patrik Faltstrom	[ X ]	[ ]	[ ]	[ ]
Marcus Leech	[ ]	[ X ]	[ ]	[ ]
April Marine	[ ]	[ X ]	[ ]	[ ]
Keith Moore	[ ]	[ ]	[ X ]	[ ]
Thomas Narten	[ ]	[ X ]	[ ]	[ ]
Erik Nordmark	[ ]	[ X ]	[ ]	[ ]
Dave Oran	[ ]	[ X ]	[ ]	[ ]
Vern Paxson	[ ]	[ X ]	[ ]	[ ]
Jeff Schiller	[ ]	[ X ]	[ ]	[ ]
Bert Wijnen	[ ]	[ X ]	[ ]	[ ]

2/3 (9) Yes or No-Objection votes needed to pass.

\* Indicate reason if 'Discuss'.

=====

## Comments

Scott: but I don't quite know what this is for - it seems a good way to return misleading information (that the message was stored in the user's mailbox, but not that the user has seen it)

Keith: 1. section 4 contains the following text:

> If a numeric parameter follows the DELIVERBY keyword value of the EHLO  
> response then that parameter indicates the minimum value allowed for the  
> by-time when a by-mode of "R" is specified with the extended MAIL FROM  
> command as described in Section 5. Any attempt by a client to specify a  
> by-mode of "R" and a by-time strictly less than this limit will be  
> rejected with a permanent failure (55z) reply code.

This needs to list a specific SMTP code, and a specific RFC 1893 Status Code (for use by servers that support ENHANCEDSTATUSCODES), for this

condition.

2. Also, it appears that slight changes to this proposal might allow it to be used as an extension to negotiate immediate delivery, such as is desired by the fax community. (the original intent behind DELIVERBY was for email to pagers) If we can fix this to their satisfaction, I'd rather do it here than in a separate extension. In other words, I'd rather have a single SMTP extension to request timely delivery-or-fail semantics.

Specifically:

- + EHLO response of DELIVERBY 0 could specify that the server supported immediate delivery capability.
- + MAIL parameter of "BY=0" with a by-mode of "I" would specify that the client wished to request immediate delivery and immediate return of delivery status. The by-time in this case would be interpreted as a delta from the time that the server returns a response to DATA (or other final response to a data transfer command).

e.g. MAIL FROM:<moore@cs.utk.edu> BY=0;I

- + A response code (4xx?) would be defined for MAIL or RCPT or DATA for the case where immediate delivery was requested but was not possible (e.g. recipient mailbox busy, too many recipients for immediate delivery, printer busy, paper jam, unable to reach pager)
- + Servers advertising DELIVERBY 0 and would be required to buffer no more data (advertise no more TCP window) than they can deliver in 3 minutes time (per RFC 1123), less twice the estimated round-trip time. (one could argue that this only applies on data termination and the buffer limit should be 10 minutes less some assumed maximum round trip time).

(This is to reduce the end-of-DATA race condition documented in RFC 1047.)

^L

To: IETF-Announce;;

Dcc: \*\*\*\*\*

Cc: RFC Editor <rfc-editor@isi.edu>

Cc: Internet Architecture Board <iab@isi.edu>

Cc:

From: The IESG <iesg-secretary@ietf.org>

Subject: Protocol Action: Deliver By SMTP Service Extension to Proposed

## Standard

-----

The IESG has approved the Internet-Draft 'Deliver By SMTP Service Extension' <draft-newman-deliver-03.txt> as a Proposed Standard. This has been reviewed in the IETF but is not the product of an IETF Working Group. The IESG contact persons are Patrik Faltstrom and Keith Moore.

## Technical Summary

This paper defines the Deliver By SMTP service extension which uses the SMTP service extension mechanism described in RFC 1869. The extension gives the ability for a sender to specify when a mail is to be delivered.

## Working Group Summary

There has been consensus on this way of implementing the service.

## Protocol Quality

The spec was reviewed by Patrik Faltstrom

## Internationalized Domain Name System (idn)

---

Current Status: Proposed Working Group

Chair(s):

James Seng <jseng@pobox.org.sg>

Marc Blanchet <Marc.Blanchet@viagenie.qc.ca>

Internet Area Director(s):

Thomas Narten <narten@raleigh.ibm.com>

Erik Nordmark <nordmark@eng.sun.com>

Internet Area Advisor:

Erik Nordmark <nordmark@eng.sun.com>

Mailing Lists:

General Discussion: idn@ops.ietf.org

To Subscribe: idn-request@ops.ietf.org

Archive: [ftp://ops.ietf.org/pub/lists/idn\\*](ftp://ops.ietf.org/pub/lists/idn*)

Description of Working Group:

The goal of the group is to investigate and specify the requirements for supporting internationalized domain names.

The scope of the group is to investigate the possible means of doing this and what technical impact they will have on the users of such names and on other users and administrators of the domain name system.

The group will not address the question of what, if any, body should administer or control usage of names that use this functionality.

The Action Item(s) for the Working Group are

1. An Informational RFC specifying the requirements for encoding International characters into DNS names and records. The document should provide guidance for development solutions to this problem, taking localized (e.g. writing order) and related operational issues into consideration.
2. An Informational RFC or RFC's documenting the various proposals and Implementations of Internationalization (i18n) of Domain Names. The document(s) should also provide a technical evaluation of the proposals by the Working Group.

## Goals and Milestones:

Jan 00	First draft of the requirements document
Feb 00	First draft of the proposal document(s)
Mar 00	Presentation and discussion at IETF-Adelaide
May 00	Second version of the requirement document
May 00	Second version of proposal document(s)
Jun 00	IETF presentation and wg last call
Jul 00	Requirements and proposal(s) sent to IESG for publication as Informational

## Configuration Management with SNMP (snmpconf)

---

Current Status: Proposed Working Group

Chair(s):

Jonathan Saperia <saperia@mediaone.net>

David Harrington <dbh@cabletron.com>

Operations and Management Area Director(s):

Randy Bush <randy@psg.com>

Bert Wijnen <wijnen@vnet.ibm.com>

Operations and Management Area Advisor:

Bert Wijnen <wijnen@vnet.ibm.com>

Mailing Lists:

General Discussion: snmpconf@snmp.com

To Subscribe: snmpconf-request@snmp.com

In Body: subscribe snmpconf

Archive: snmpconf-request@snmp.com (index snmpconf in body)

### Description of Working Group:

The working group will create a Best Current Practices document which outlines the most effective methods for using the SNMP Framework to accomplish configuration management. The scope of the work will include recommendations for device specific as well as network-wide (Policy) configuration. The group is also chartered to write any MIB modules necessary to facilitate configuration management, specifically they will write a MIB module which describes a network entities capabilities and capacities which can be used by management entities making policy decisions at a network level or device specific level.

As a proof of concept, the working group will also write a MIB module which describes management objects for the control of differentiated services policy in coordination with the effort currently taking place in the Differentiated Services Working Group.

### Deliverables

1. A Best Current Practices document to provide guidelines on how to best use the existing Internet Standard Management Framework to perform configuration management.
2. A MIB module which describes a network entities capabilities

such as support for a particular type of security or a particular queuing method on certain interfaces. The module will also convey the capacity of the device to perform certain work.

3. A MIB module which can be used to concisely convey information about desired network wide Diffserv Based QoS behavior.  
AD wonders: We indeed only want to do QoS for Diffserv for now to prove the concepts, right?
4. A document which describes potential future work needed to meet all the Requirements for Configuration Management.

#### Goals and Milestones:

Jan 00	Announce Working Group and call for Input
Feb 00	Submit Initial Drafts for BCP and MIB Documents
Mar 00	Meet at 47th IETF in Adelaide
May 00	Interim Meeting
May 00 these	Revised Drafts for BCP and MIB Documents and WG Last Call Drafts. Submit to AD for consideration as BCP and PS.
Jun 00	Conduct Interoperability Testing
Jul 00 potential	New Internet Drafts, including a document describing future work.
Aug 00	Meet at 48th IETF meeting in Pittsburgh
Sep 00	WG Last Call on remaining Drafts. Submit to AD for consideration as BCP and PS.
Oct 00	Re-charter or shutdown WG.

Received: from mauve.innosoft.com (mauve.innosoft.com [192.160.253.247])  
by ietf.org (8.9.1a/8.9.1a) with ESMTTP id LAA09563;  
Thu, 27 Jan 2000 11:51:48 -0500 (EST)  
From: ned.freed@innosoft.com

Received: from MAUVE.INNOSOFT.COM by MAUVE.INNOSOFT.COM (PMDF V6.0-18 #35243)  
id <01JL6YJC3NC0000047@MAUVE.INNOSOFT.COM>; Thu,  
27 Jan 2000 08:51:11 -0800 (PST)  
Date: Thu, 27 Jan 2000 08:38:58 -0800 (PST)  
Subject: Re: IESG Telechat Package for Janu  
In-reply-to:  
"Your message dated Wed, 26 Jan 2000 16:35:20 -0500 (Eastern Standard Time)"  
<Pine.WNT.3.96.1000126143133.-625997P-100000@scoya.cnri.reston.va.us>  
To: Steve Coxa <scoya@ietf.org>  
Cc: iesg@ietf.org  
Message-id: <01JL6Z0M8KN0000047@MAUVE.INNOSOFT.COM>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

Steve has constructed a prototype IESG Web Page. (He almost goofed by giving us the URL at the beginning of the call...) More on this later...

Protocol Actions:

Deliver By SMTP Service Extension to proposed.  
<draft-newman-deliver-03.txt>

Keith has a discuss and is not here -- deferred. (I am tasked with beating up on Dan, who sits about 6 feet from me at work, for not fixing Keith's issue sooner.)

TV URL document.

Apparently this is approved but the note regarding the approval hasn't been released. This has come up as an issue because Patrik has been talking with people who are very interested in this area.

Working Group Actions:

Internationalized Domain Name System (idn)

Configuration Management with SNMP (snmpconf)

> 4. Working Group Documents

> o RADIUS Extensions [Informational]	OPS
> <draft-ietf-radius-ext-05.txt>	
> o Implementation of L2TP Compulsory Tunneling via RADIUS	OPS
> [Informational]	
> <draft-ietf-radius-tunnel-imp-05.txt>	

- > o RADIUS Accounting Modifications for Tunnel Protocol OPS
- > Support [Informational]
- > <draft-ietf-radius-tunnel-acct-05.txt>
- > o Intrusion Detection Message Exchange Requirements SEC
- > [Informational]
- > <draft-ietf-idwg-requirements-02.txt>
- > o Proxy PAR [Informational] INT
- > <draft-ietf-ion-proxypar-arch-01.txt>
- > o Media Gateway control protocol architecture and TSV
- > requirements [Informational]
- > <draft-ietf-megaco-reqs-10.txt>
- > o Access Control Requirements for LDAP [Informational] APP
- > <draft-ietf-ldapext-acl-reqts-01.txt>
  
- > 5. Individual Submissions (non-wg)
  
- > o Internet Security Glossary SEC
- > <draft-shirey-security-glossary-02.txt>
- > o Overview of the 1998 IAB Routing Workshop [Informational] RTG?
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> DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \* DRAFT \*

> INTERNET ENGINEERING STEERING GROUP (IESG)

> January 13, 2000

> Reported by: Steve Coya, IETF Executive Director

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> Faltstrom, Patrik / Tele2  
> Freed, Ned / Innosoft (IAB Liaison)  
> Mankin, Allison / ISI East  
> Marine, April / Nominum  
> Moore, Keith / U of Tennessee  
> Narten, Thomas / IBM  
> Nordmark, Erik / Sun  
> Oran, Dave / Cisco  
> Paxson, Vern / ACIRI/ICSI  
> Reynolds, Joyce K. / ISI (IANA Liaison)  
> Schiller, Jeff / MIT  
> Wijnen, Bert / IBM

> Regrets

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> Baker, Fred / Cisco Systems  
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> Minutes

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> Ballot: Deliver By SMTP Service Extension to Proposed Standard

> -----

> Last Call to expire on: February 20, 1999

> Please return the full line with the vote.

>                   Yes       No-Objection   Discuss \*   Abstain

> Fred Baker	[ ]	[ X ]	[ ]	[ ]
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> Randy Bush	[ ]	[ ]	[ ]	[ Y ]
> Rob Coltun	[ ]	[ X ]	[ ]	[ ]
> Patrik Faltstrom	[ X ]	[ ]	[ ]	[ ]
> Marcus Leech	[ ]	[ X ]	[ ]	[ ]
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> 2/3 (9) Yes or No-Objection votes needed to pass.

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> =====

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- > 2. Also, it appears that slight changes to this proposal might allow
- > it to be used as an extension to negotiate immediate delivery, such
- > as is desired by the fax community. (the original intent behind
- > DELIVERBY was for email to pagers) If we can fix this to their
- > satisfaction, I'd rather do it here than in a separate extension.
- > In other words, I'd rather have a single SMTP extension to request
- > timely delivery-or-fail semantics.
- > Specifically:
- > + EHLO response of DELIVERBY 0 could specify that the server supported
- > immediate delivery capability.
- > + MAIL parameter of "BY=0" with a by-mode of "I" would specify that
- > the client wished to request immediate delivery and immediate return
- > of delivery status. The by-time in this case would be interpreted
- > as a delta from the time that the server returns a response to
- > DATA (or other final response to a data transfer command).
- > e.g. MAIL FROM:<moore@cs.utk.edu> BY=0;I
- > + A response code (4xx?) would be defined for MAIL or RCPT or DATA
- > for the case where immediate delivery was requested but was not
- > possible (e.g. recipient mailbox busy, too many recipients for
- > immediate delivery, printer busy, paper jam, unable to reach pager)
- > + Servers advertising DELIVERBY 0 and would be required to buffer
- > no more data (advertise no more TCP window) than they can deliver
- > in 3 minutes time (per RFC 1123), less twice the estimated
- > round-trip time. (one could argue that this only applies on data
- > termination and the buffer limit should be 10 minutes less some
- > assumed maximum round trip time).
- > (This is to reduce the end-of-DATA race condition documented in
- > RFC 1047.)
- > ^L
- > To: IETF-Announce;;
- > Dcc: \*\*\*\*\*
- > Cc: RFC Editor <rfc-editor@isi.edu>
- > Cc: Internet Architecture Board <iab@isi.edu>
- > Cc:
- > From: The IESG <iesg-secretary@ietf.org>
- > Subject: Protocol Action: Deliver By SMTP Service Extension to Proposed

> Standard  
> -----

> The IESG has approved the Internet-Draft 'Deliver By SMTP Service  
> Extension' <draft-newman-deliver-03.txt> as a Proposed Standard. This  
> has been reviewed in the IETF but is not the product of an IETF Working  
> Group. The IESG contact persons are Patrik Faltstrom and Keith Moore.

> Technical Summary

> This paper defines the Deliver By SMTP service extension which uses  
> the SMTP service extension mechanism described in RFC 1869. The  
> extension gives the ability for a sender to specify when a mail is to  
> be delivered.

> Working Group Summary

> There has been consensus on this way of implementing the service.

> Protocol Quality

> The spec was reviewed by Patrik Faltstrom

>

> Internationalized Domain Name System (idn)  
> -----

> Current Status: Proposed Working Group

> Chair(s):  
>     James Seng <jseng@pobox.org.sg>  
>     Marc Blanchet <Marc.Blanchet@viagenie.qc.ca>

> Internet Area Director(s):  
>     Thomas Narten <narten@raleigh.ibm.com>  
>     Erik Nordmark <nordmark@eng.sun.com>

> Internet Area Advisor:  
>     Erik Nordmark <nordmark@eng.sun.com>

> Mailing Lists:  
>     General Discussion: idn@ops.ietf.org  
>     To Subscribe:       idn-request@ops.ietf.org  
>     Archive:            ftp://ops.ietf.org/pub/lists/idn\*

> Description of Working Group:

> The goal of the group is to investigate and specify the requirements for  
> supporting internationalized domain names.

> The scope of the group is to investigate the possible means of doing  
> this and what technical impact they will have on the users of such names  
> and on other users and administrators of the domain name system.

> The group will not address the question of what, if any, body should  
> administer or control usage of names that use this functionality.

> The Action Item(s) for the Working Group are

- > 1. An Informational RFC specifying the requirements for encoding  
>     International characters into DNS names and records. The document  
>     should provide guidance for development solutions to this problem,  
>     taking localized (e.g. writing order) and related operational issues  
>     into consideration.
- > 2. An Informational RFC or RFC's documenting the various proposals  
>     and Implementations of Internationalization (i18n) of Domain Names.  
>     The document(s) should also provide a technical evaluation of the  
>     proposals by the Working Group.

> Goals and Milestones:

- > Jan 00 First draft of the requirements document
- > Feb 00 First draft of the proposal document(s)
- > Mar 00 Presentation and discussion at IETF-Adelaide
- > May 00 Second version of the requirement document
- > May 00 Second version of proposal document(s)
- > Jun 00 IETF presentation and wg last call
- > Jul 00 Requirements and proposal(s) sent to IESG for publication
- as
- > Informational
  
- >

- > Configuration Management with SNMP (snmpconf)
- > -----
- > Current Status: Proposed Working Group
- > Chair(s):
  - > Jonathan Saperia <saperia@mediaone.net>
  - > David Harrington <dbh@cabletron.com>
- > Operations and Management Area Director(s):
  - > Randy Bush <randy@psg.com>
  - > Bert Wijnen <wijnen@vnet.ibm.com>
- > Operations and Management Area Advisor:
  - > Bert Wijnen <wijnen@vnet.ibm.com>
- > Mailing Lists:
  - > General Discussion: snmpconf@snmp.com
  - > To Subscribe: snmpconf-request@snmp.com
  - > In Body: subscribe snmpconf
  - > Archive: snmpconf-request@snmp.com (index snmpconf in body)
- > Description of Working Group:
  - > The working group will create a Best Current Practices document which
  - > outlines the most effective methods for using the SNMP Framework to
  - > accomplish configuration management. The scope of the work will include
  - > recommendations for device specific as well as network-wide (Policy)
  - > configuration. The group is also chartered to write any MIB modules
  - > necessary to facilitate configuration management, specifically they will
  - > write a MIB module which describes a network entities capabilities and
  - > capacities which can be used by management entities making policy
  - > decisions at a network level or device specific level.
  - > As a proof of concept, the working group will also write a MIB
  - > module which describes management objects for the control of
  - > differentiated services policy in coordination with the effort
  - > currently taking place in the Differentiated Services Working Group.
- > Deliverables
  - > 1. A Best Current Practices document to provide guidelines on how
  - > to best use the existing Internet Standard Management Framework
  - > to perform configuration management.
  - > 2. A MIB module which describes a network entities capabilities

- > such as support for a particular type of security or a particular
- > queuing method on certain interfaces. The module will also convey
- > the capacity of the device to perform certain work.
  
- > 3. A MIB module which can be used to concisely convey information
- > about desired network wide Diffserv Based QoS behavior.
- > AD wonders: We indeed only want to do QoS for Diffserv for now
- > to prove the concepts, right?
  
- > 4. A document which describes potential future work needed to
- > meet all the Requirements for Configuration Management.
  
- > Goals and Milestones:
  
- > Jan 00            Announce Working Group and call for Input
  
- > Feb 00            Submit Initial Drafts for BCP and MIB Documents
  
- > Mar 00            Meet at 47th IETF in Adelaide
  
- > May 00            Interim Meeting
  
- > May 00            Revised Drafts for BCP and MIB Documents and WG Last Call
- these
- >                    Drafts. Submit to AD for consideration as BCP and PS.
  
- > Jun 00            Conduct Interoperability Testing
  
- > Jul 00            New Internet Drafts, including a document describing
- potential
- >                    future work.
  
- > Aug 00            Meet at 48th IETF meeting in Pittsburgh
  
- > Sep 00            WG Last Call on remaining Drafts. Submit to AD for
- >                    consideration as BCP and PS.
  
- > Oct 00            Re-charter or shutdown WG.

Received: from nix.swip.net (nix.swip.net [192.71.220.2])  
 by ietf.org (8.9.1a/8.9.1a) with ESMTP id PAA13963  
 for <iesg@ietf.org>; Thu, 27 Jan 2000 15:22:05 -0500 (EST)  
 Received: from 192.168.111.25 (workstation1.swip.net [130.244.254.1])

by nix.swip.net (8.8.8/8.8.8) with ESMT  
id VAA00102;  
Thu, 27 Jan 2000 21:19:37 +0100 (MET)  
Date: Thu, 27 Jan 2000 21:19:50 +0100  
From: =?ISO-8859-1?Q?Patrik\_F=E4ltstr=F6m?= <paf@swip.net>  
To: John.Tar@itu.int, fredgaetcher@monmouth.com, robert.shaw@itu.int  
cc: IESG <iesg@ietf.org>  
Subject: Scheme definition for telephony URIs  
Message-ID: <1070685.3157996790@[192.168.111.25]>  
X-Mailer: Mulberry (MacOS) [2.0.0b7, s/n U-301169]  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

The IETF is further along the process of accepting the registration of the URL scheme for telephony URIs than what it might have sounded like when I talked about it in Geneva. It is even the case that the last call period has already ended, and no comments were sent in [which forces the document to be updated]. Because of the reference to the document was given out in Geneva, and there were interest in this issue, I will put this document on hold for seven (7) days to give you the chance for a very last minute review.

The name of the document is draft-antti-telephony-url-12.txt and you find it as <ftp://ftp.ietf.org/internet-drafts/draft-antti-telephony-url-12.txt>.

Regards, Patrik

Received: from nix.swip.net (nix.swip.net [192.71.220.2])  
by ietf.org (8.9.1a/8.9.1a) with ESMT id IAA08140  
for <iesg@ietf.org>; Sun, 30 Jan 2000 08:02:11 -0500 (EST)  
Received: from 192.168.111.25 (workstation1.swip.net [130.244.254.1])  
by nix.swip.net (8.8.8/8.8.8) with ESMT  
id NAA22647;  
Sun, 30 Jan 2000 13:59:42 +0100 (MET)  
Date: Sun, 30 Jan 2000 13:59:37 +0100  
From: =?ISO-8859-1?Q?Patrik\_F=E4ltstr=F6m?= <paf@swip.net>  
To: John.Tar@itu.int, fredgaechter@monmouth.com, robert.shaw@itu.int  
cc: IESG <iesg@ietf.org>  
Subject: Scheme definition for telephony URIs  
Message-ID: <2194286.3158229577@[192.168.111.25]>  
X-Mailer: Mulberry/2.0.0b8 (MacOS)  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

[I misspelled the email address of Fred Gaechter, so here I send this again]

The IETF is further along the process of accepting the registration of the URL scheme for telephony URIs than what it might have sounded like when I talked about it in Geneva. It is even the case that the last call period has already ended, and no comments were sent in [which forces the document to be updated]. Because of the reference to the document was given out in Geneva, and there were interest in this issue, I will put this document on hold for seven (7) days to give you the chance for a very last minute review.

The name of the document is draft-antti-telephony-url-12.txt and you find it as <ftp://ftp.ietf.org/internet-drafts/draft-antti-telephony-url-12.txt>.

Regards, Patrik

Received: from optimus.ietf.org (ietf.org [132.151.1.19] (may be forged))  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id MAA07184;  
Thu, 1 Aug 2002 12:58:08 -0400 (EDT)  
Received: from optimus.ietf.org (localhost [127.0.0.1])  
by optimus.ietf.org (8.9.1a/8.9.1) with ESMTP id MAA09668;  
Thu, 1 Aug 2002 12:59:16 -0400 (EDT)  
Received: from ietf.org (odin [132.151.1.176])  
by optimus.ietf.org (8.9.1a/8.9.1) with ESMTP id MAA09462  
for <iesg@optimus.ietf.org>; Thu, 1 Aug 2002 12:57:26 -0400 (EDT)  
Received: from imo-m08.mx.aol.com (imo-m08.mx.aol.com [64.12.136.163])  
by ietf.org (8.9.1a/8.9.1a) with ESMTP id MAA07044  
for <iesg@ietf.org>; Thu, 1 Aug 2002 12:56:16 -0400 (EDT)  
From: Mpierce1@aol.com  
Received: from Mpierce1@aol.com  
by imo-m08.mx.aol.com (mail\_out\_v33.5.) id 1.9f.2b16a029 (4262)  
for <iesg@ietf.org>; Thu, 1 Aug 2002 12:56:54 -0400 (EDT)  
Message-ID: <9f.2b16a029.2a7ac255@aol.com>  
Date: Thu, 1 Aug 2002 12:56:53 EDT  
Subject: Comments for IETF LC for ISUP-SIP Mapping  
To: iesg@ietf.org  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="part1\_9f.2b16a029.2a7ac255\_boundary"

X-Mailer: AOL 6.0 for Windows US sub 353  
Sender: iesg-admin@ietf.org  
Errors-To: iesg-admin@ietf.org  
X-Mailman-Version: 1.0  
Precedence: bulk  
List-Id: <iesg.ietf.org>  
X-BeenThere: iesg@ietf.org

--part1\_9f.2b16a029.2a7ac255\_boundary  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Concerning the Last Call for draft-ietf-sipping-isup-04:

Section 11 of this draft references RFC2806 which is currently undergoing a significant revision (draft-antti-rfc2806bis-05, which is very close to completion after much discussion). This tel:uri is very important to the operation of ISUP-to-SIP interworking and can not be ignored, or brushed off as "informational since it is optional" as reported in the recent meeting. Its use is very much required to provide the mapping described (in spite of the use of the word "should").

Section 11 must be significantly modified to be in line with the new tel:uri definition.

Mike Pierce  
Artel

--part1\_9f.2b16a029.2a7ac255\_boundary  
Content-Type: text/html; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

<HTML><FONT FACE=arial,Helvetica><FONT SIZE=2>Concerning the Last Call for draft-ietf-sipping-isup-04:

<BR>

<BR>Section 11 of this draft references RFC2806 which is currently undergoing a significant revision (draft-antti-rfc2806bis-05, which is very close to completion after much discussion). This tel:uri is very important to the operation of ISUP-to-SIP interworking and can not be ignored, or brushed off as "informational since it is optional" as reported in the recent meeting. Its use is very much required to provide the mapping described (in spite of the use of the word "should").

<BR>

<BR>Section 11 must be significantly modified to be in line with the new tel:uri definition.

<BR>

<BR>Mike Pierce  
<BR>Artel  
<BR></FONT></HTML>

--part1\_9f.2b16a029.2a7ac255\_boundary--

## Exhibit B

From: RFC Editor <[rfc-editor@rfc-editor.org](mailto:rfc-editor@rfc-editor.org)>  
Date: November 11, 2013 3:13:46 PM PST  
To: Alexa Morris <[amorris@amsl.com](mailto:amorris@amsl.com)>  
Subject: [[rfc-ed@ISI.EDU](mailto:rfc-ed@ISI.EDU): RFC 2086 on ACL Extension]

----- Forwarded message from RFC Editor <[rfc-ed@ISI.EDU](mailto:rfc-ed@ISI.EDU)> -----

To: [rfc-dist@isi.edu](mailto:rfc-dist@isi.edu)  
Subject: RFC 2086 on ACL Extension  
Cc: rfc-ed  
Date: Wed, 22 Jan 97 12:33:30 PST  
From: RFC Editor <[rfc-ed@ISI.EDU](mailto:rfc-ed@ISI.EDU)>  
X-Lines: 91

A new Request for Comments is now available in online RFC libraries.

RFC 2086:

Title: IMAP4 ACL extension  
Author: J. Myers  
Date: January 1997  
Mailbox: [jgm+@cmu.edu](mailto:jgm+@cmu.edu)  
Pages: 8  
Characters: 13925  
Updates/Obsoletes: None

URL: <ftp://ds.internic.net/rfc/rfc2086.txt>

The ACL extension of the Internet Message Access Protocol [IMAP4] permits access control lists to be manipulated through the IMAP protocol.

This is now a Proposed Standard Protocol.

This document specifies an Internet standards track protocol for the Internet community, and requests discussion and suggestions for improvements. Please refer to the current edition of the "Internet Official Protocol Standards" (STD 1) for the standardization

state and  
status of this protocol. Distribution of this memo is unlimited.

This announcement is sent to the IETF list and the RFC-DIST list.  
Requests to be added to or deleted from the IETF distribution  
list  
should be sent to [IETF-REQUEST@CNRI.RESTON.VA.US](mailto:IETF-REQUEST@CNRI.RESTON.VA.US). Requests to be  
added to or deleted from the RFC-DIST distribution list should  
be sent to [RFC-DIST-REQUEST@ISI.EDU](mailto:RFC-DIST-REQUEST@ISI.EDU).

Details on obtaining RFCs via FTP or EMAIL may be obtained by  
sending  
an EMAIL message to [rfc-info@ISI.EDU](mailto:rfc-info@ISI.EDU) with the message body  
help: ways\_to\_get\_rfcs. For example:

To: [rfc-info@ISI.EDU](mailto:rfc-info@ISI.EDU)  
Subject: getting rfcs

help: ways\_to\_get\_rfcs

Requests for special distribution should be addressed to either  
the  
author of the RFC in question, or to  
[admin@DS.INTERNIC.NET](mailto:admin@DS.INTERNIC.NET). Unless  
specifically noted otherwise on the RFC itself, all RFCs are for  
unlimited distribution.

Submissions for Requests for Comments should be sent to  
[RFC-EDITOR@ISI.EDU](mailto:RFC-EDITOR@ISI.EDU). Please consult RFC 1543, Instructions to RFC  
Authors, for further information.

Joyce K. Reynolds and Mary Kennedy  
USC/Information Sciences Institute

...

Below is the data which will enable a MIME compliant Mail Reader  
implementation to automatically retrieve the ASCII version  
of the RFCs.

- *To:* IETF-Announce
- *Subject:* I-D ACTION:draft-antti-telephony-url-04.txt
- *From:* [Internet-Drafts at ns.ietf.org](mailto:Internet-Drafts@ns.ietf.org)
- *Date:* Thu, 26 Feb 1998 09:26:50 -0500
- *Delivery-date:* Thu, 26 Feb 1998 10:36:05 -0500
- *Reply-to:* [Internet-Drafts at ns.ietf.org](mailto:Internet-Drafts@ns.ietf.org)
- *Sender:* [cclark at cnri.reston.va.us](mailto:cclark@cnri.reston.va.us)

A New Internet-Draft is available from the on-line Internet-Drafts directories.

```
Title           : URLs for Telephony
Author(s)       : A. Vaha-Sipila
Filename        : draft-antti-telephony-url-04.txt
Pages           : 9
Date            : 25-Feb-98
```

This document specifies URL (Uniform Resource Locator) schemes  
 'phone', 'fax' and 'modem' for specifying the location of a  
 terminal in the phone network and the connection types (modes of  
 operation) that can be used to connect to that entity. This  
 specification covers voice calls (normal phone calls, answering  
 machines and voice messaging systems), facsimile (telefax) calls  
 and data calls, both for POTS and digital/mobile subscribers.

Internet-Drafts are available by anonymous FTP. Login with the username  
 "anonymous" and a password of your e-mail address. After logging in,  
 type "cd internet-drafts" and then  
 "get draft-antti-telephony-url-04.txt".

A URL for the Internet-Draft is:

<ftp://ftp.ietf.org/internet-drafts/draft-antti-telephony-url-04.txt>

Internet-Drafts directories are located at:

Africa: ftp.is.co.za

Europe: ftp.nordu.net  
ftp.nis.garr.it

Pacific Rim: munnari.oz.au

US East Coast: ds.internic.net

US West Coast: ftp.isi.edu

Internet-Drafts are also available by mail.

Send a message to: mailserv at ds.internic.net. In the body type:

"FILE /internet-drafts/draft-antti-telephony-url-04.txt".

NOTE: The mail server at ds.internic.net can return the document in

MIME-encoded form by using the "mpack" utility. To use this feature, insert the command "ENCODING mime" before the "FILE" command. To decode the response(s), you will need "munpack" or a MIME-compliant mail reader. Different MIME-compliant mail readers exhibit different behavior, especially when dealing with "multipart" MIME messages (i.e. documents which have been split up into multiple messages), so check your local documentation on how to manipulate these messages.

Below is the data which will enable a MIME compliant mail reader implementation to automatically retrieve the ASCII version of the Internet-Draft.

[<ftp://ftp.ietf.org/internet-drafts/draft-antti-telephony-url-04.txt>](ftp://ftp.ietf.org/internet-drafts/draft-antti-telephony-url-04.txt)

- Prev by Date: [I-D ACTION:draft-rosenberg-wasrv-arch-00.txt](#)
- Next by Date: [I-D ACTION:draft-antti-gsm-sms-url-01.txt](#)
- Previous by thread: [I-D ACTION:draft-rosenberg-wasrv-arch-00.txt](#)
- Next by thread: [I-D ACTION:draft-antti-gsm-sms-url-01.txt](#)
- Index(es):
  - [Date](#)
  - [Thread](#)

**Note Well: Messages sent to this mailing list are the opinions of the senders and do not imply endorsement by the IETF.**

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# I-D ACTION:draft-cordell-sg16-conv-url-00.txt

- *To:* IETF-Announce
- *Subject:* I-D ACTION:draft-cordell-sg16-conv-url-00.txt
- *From:* [Internet-Drafts at ns.ietf.org](http://Internet-Drafts at ns.ietf.org)
- *Date:* Wed, 24 Dec 1997 09:53:54 -0500
- *Delivery-date:* Wed, 24 Dec 1997 10:08:50 -0500
- *Reply-to:* [Internet-Drafts at ns.ietf.org](http://Internet-Drafts at ns.ietf.org)
- *Sender:* [cclark at cnri.reston.va.us](mailto:cclark at cnri.reston.va.us)

A New Internet-Draft is available from the on-line Internet-Drafts directories.

Title : Conversational Multimedia URLs  
Author(s) : P. Cordell  
Filename : draft-cordell-sg16-conv-url-00.txt  
Pages : 7  
Date : 23-Dec-97

The evolving technologies for real-time conversation over the Internet require URLs to provide user contact information. As there are many protocols (including some that are not Internet based) that can be used for inter-user conversation, this document describes a two stage transaction process for obtaining a URL that can be used to initiate conversation. The first stage involves retrieving a list of protocol specific URLs in a MIME encoded file. The MIME type enables an appropriate application to be launched which will

analyse the presented URLs and select the most appropriate one. The second stage involves interpreting the protocol specific URL and initiating the conversation. The protocol specific URLs are encoded in a URL form so that they can be embedded directly into HTML pages. This allows the first stage to be omitted. The document describes the format of the MIME encoded list of URLs, and the format of a number of protocol specific URLs.

Internet-Drafts are available by anonymous FTP. Login with the username "anonymous" and a password of your e-mail address. After logging in, type "cd internet-drafts" and then "get draft-cordell-sgl6-conv-url-00.txt".

A URL for the Internet-Draft is:  
<ftp://ds.internic.net/internet-drafts/draft-cordell-sgl6-conv-url-00.txt>

Internet-Drafts directories are located at:

Africa: ftp.is.co.za

Europe: ftp.nordu.net  
ftp.nis.garr.it

Pacific Rim: munnari.oz.au

US East Coast: ds.internic.net

US West Coast: ftp.isi.edu

Internet-Drafts are also available by mail.

Send a message to: mailserv at ds.internic.net. In the body type:  
"FILE /internet-drafts/draft-cordell-sgl6-conv-url-00.txt".

NOTE: The mail server at ds.internic.net can return the document in MIME-encoded form by using the "mpack" utility. To use this feature, insert the command "ENCODING mime" before the "FILE" command. To decode the response(s), you will need "munpack" or a MIME-compliant mail reader. Different MIME-compliant mail readers exhibit different behavior, especially when dealing with "multipart" MIME messages (i.e. documents which have been split up into multiple messages), so check your local documentation on how to manipulate these messages.

Below is the data which will enable a MIME compliant mail reader implementation to automatically retrieve the ASCII version of the Internet-Draft.

<ftp://ds.internic.net/internet-drafts/draft-cordell-sg16-conv-url-00.txt>

- Prev by Date: [Re: User Petition on Standards to Netscape and Microsoft](#)
- Next by Date: [I-D ACTION:draft-zawinski-posted-mailed-00.txt](#)
- Previous by thread: [RFC 2256 on LDAPv3 Schema](#)
- Next by thread: [I-D ACTION:draft-zawinski-posted-mailed-00.txt](#)
- Index(es):
  - [Date](#)
  - [Thread](#)

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