

MANET Working Group

IETF 93, Prague, July 2015

Chairs: Justin Dean, Stan Ratliff
WG Secretary: Ulrich Herberg

Online Agenda:

<https://datatracker.ietf.org/meeting/93/agenda/manet/>

Charter: <http://datatracker.ietf.org/doc/charter-ietf-manet/>

Mailing list: <https://www.ietf.org/mailman/listinfo/manet>

Note Well

- Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:
 - The IETF plenary session
 - The IESG, or any member thereof on behalf of the IESG
 - Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
 - Any IETF working group or portion thereof
 - Any Birds of a Feather (BOF) session
 - The IAB or any member thereof on behalf of the IAB
 - The RFC Editor or the Internet-Drafts function
- All IETF Contributions are subject to the rules of [RFC 5378](#) and [RFC 3979](#) (updated by [RFC 4879](#)).
- Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult [RFC 5378](#) and [RFC 3979](#) for details.
- A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.
- A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

Audio Organization and Remote Participants

Instructions how to join on Jabber:

<https://www.ietf.org/jabber>

Jabber room: [manet@jabber.ietf.org](https://www.ietf.org/jabber/manet)

PLEASE, REMEMBER THE REMOTE PARTICIPANTS.....


- Speak/comment/questions using the microphones
- State your name before speaking

Agenda

- Bash the Agenda: Chairs [5]
- WG Status/Overview: Chairs [15]
- draft-ietf-manet-rfc5444-usage: Rogge [15]
- draft-ietf-manet-aodvv2: Perkins [20]
- draft-ietf-manet-dlep: Ratliff [15]
- Network coding in MANETs: Fitzek [10]
- Recharter discussion: Chairs [40]
- Open Microphone [5]


Document Status 1

- Active IDs:

Document	Date	Status	IPR AD / Shepherd
Active Internet-Drafts			
draft-ietf-manet-aodvv2-10 Ad Hoc On-demand Distance Vector (AODVv2) Routing	2015-07-06 100 pages	I-D Exists WG Document	
draft-ietf-manet-dlep-16 Dynamic Link Exchange Protocol (DLEP)	2015-07-21 66 pages New	AD is watching WG Document: Proposed Standard	Alvaro Retana bebemaster@gmail.com
draft-ietf-manet-ibs-03 Identity-Based Signatures for MANET Routing Protocols	2014-09-04 16 pages	IESG Evaluation::AD Followup for 238 days Submitted to IESG for Publication: Proposed Standard	 Alvaro Retana T.Clausen@computer.org
draft-ietf-manet-olsrv2-dat-metric-05 Packet Sequence Number based directional airtime metric for OLSRv2	2015-04-21 17 pages	I-D Exists WG Consensus: Waiting for Write-Up: Experimental	
draft-ietf-manet-olsrv2-multipath-06 Multi-path Extension for the Optimized Link State Routing Protocol version 2 (OLSRv2)	2015-07-21 20 pages New	I-D Exists WG Document: Experimental	

Document Status 2

- **Active:**

Document	Date	Status	IPR AD / Shepherd
Active Internet-Drafts			
draft-ietf-manet-olsrv2-multitopology-06 Multi-Topology Extension for the Optimized Link State Routing Protocol version 2 (OLSRv2)	2015-07-06 22 pages	IESG Evaluation::AD Followup for 54 days Submitted to IESG for Publication: Experimental	 Alvaro Retana ulrich@herberg.name
draft-ietf-manet-olsrv2-sec-threats-00 Security Threats for the Optimized Link State Routing Protocol version 2 (OLSRv2)	2015-02-12 24 pages	I-D Exists WG Document: Informational	
draft-ietf-manet-rfc5444-usage-00 Rules For Designing Protocols Using the RFC5444 Generalized Packet/ Message Format	2015-06-23 17 pages	I-D Exists WG Document	
draft-ietf-manet-rfc6779bis-03 Definition of Managed Objects for the Neighborhood Discovery Protocol	2015-03-03 71 pages	Expert Review for 53 days Submitted to IESG for Publication: Proposed Standard	Alvaro Retana chris.dearlove@baesystems.com
draft-ietf-manet-smf-sec-threats-02 Security Threats for Simplified Multicast Forwarding (SMF)	2015-03-23 15 pages	I-D Exists WG Consensus: Waiting for Write-Up: Informational	chris.dearlove@baesystems.com
draft-ietf-manet-tlv-naming-05 TLV Naming in the MANET Generalized Packet/Message Format	2015-06-24 15 pages	RFC Ed Queue for 50 days : RFC-EDITOR Submitted to IESG for Publication: Proposed Standard	Alvaro Retana bebemaster@gmail.com

TLV Naming in the MANET Generalized Packet/Message Format

draft-ietf-manet-tlv-naming-05

(Proposed Standard)

Dearlove, Clausen

Status & Overview

Reorganizes RFC5444 IANA registries:

- Reassigns TLV type names to refer to (type, type extension)
- Enables less “waste” of type-space with appropriately named TLVs
- Updates IANA Expert Review guidelines from RFC5444, to establish this as consistent policy for naming, assignments
- Has no operational impact: assigned TLV (type, type extension) are untouched.

Status:

- In the competent hands of the RFC Editor

Multi-Topology Extension for the Optimized Link State Routing
Protocol version 2 (OLSRv2)

draft-ietf-manet-olsrv2-multitopology-06

(Experimental)

Dearlove, Clausen

Status & Overview

Adds Multi-Topology Routing to OLSRv2

- Enables concurrent use of multiple topologies in an OLSRv2 network
- Completely interoperable with unextended OLSRv2

Status:

- IESG Review - enough ballot positions to pass
- One DISCUSS, by Benoit Claise (OPS AD)
 - Wants more discussion of “the experiment for this document”
 - Trying to resolve this with the help of Alvaro (RTG AD), who requests:
 - More “bullets” into section 1.1
 - Reflecting some of the comments raised by Sue Hares in OPS-DIR review

*[**Caveat to the WG**]: this seems to imply that the bar for what goes into a draft targeting “Experimental” has been considerably raised, and in some ways seems higher than for Proposed Standard; also, progressing from Experimental to Proposed Standard seems to become harder than going straight to Proposed Standards]*

Identity-Based Signatures for MANET Routing Protocols

draft-ietf-manet-ibs-03

(Proposed Standard)

Dearlove

Status & Overview

Adds Identity-Based Signatures using ECCSI to the framework given in RFC7182

- Requests code points
- Specifies behavior within confines given by RFC7182
- Uses RFC6507

Status:

- Submitted to IESG for Publication
- Had a YES from Adrian Farrel — needs a new YES
- Has a DISCUSS from Stephen Farrell (SEC AD)
(<http://datatracker.ietf.org/doc/draft-ietf-manet-ibs/ballot/#stephen-farrell>)

Highlights include that he is concerned that:

- ECCSI (RFC6507) is not ready for use in Proposed Standards
 - It is not specified how router gets its private key
 - He has not seen discussion in WG as to what asymmetric scheme to adopt first
- Working with Alvaro (RTG AD) and Stephen (SEC AD) on resolution. Author notes that:
 - Keying already covered by RFC7182, and not first asymmetric scheme (RSA)
 - ECCSI used outside IETF – including in ETSI/3GPP LTE ProSe security standard

Definition of Managed Objects for the Neighborhood Discovery Protocol

draft-ietf-manet-rfc6779bis-03

(Proposed Standard)

Herberg, Cole, Chakeres, Clausen

Status & Overview

Updates the MIB module to reflect RFC7466 (NHDP Optimization)

- Minimal change
- Captures the new information and states for each symmetric 2-hop neighbor, recorded in the Neighbor Information Base of a router

Status:

- Submitted to IESG for Publication
- Awaiting Expert Review (MIB doctor)
 - Minimal change, ought to be a quick review
 - If Alvaro (RTG AD) had a pointy stick at hand, a poke would not go amiss
- With that said, one pending update:
 - Substitute RFC7466 for [draft-ietf-manet-nhdp-optimization]
 - Awaiting if MIB doctor and AD review suggests other updates before spinning new version

Snapshot of OLSRv2-Routed MANET Management
draft-ietf-manet-olsrv2-management-snapshot-03

(Informational)

Clausen, Herberg

Status & Overview

Created to address request from Benoit Claise (OPS AD), expressed in review of RFC6779

<https://datatracker.ietf.org/doc/rfc6779/ballot/#benoit-claise>

- draft-nguyen-manet-management was stalled — WG had committed
- After discussions with Benoit Claise (IETF88, Vancouver) and exchanges with Adrian Farrel (then, RTG AD), we understood from the OPS AD that this draft would do

Status:

- OPS AD changed his mind, now wants to see draft-nguyen-manet-management revived
- Consequently, despite WG consensus to publish, this document declared DEAD by the IESG
<https://datatracker.ietf.org/doc/draft-ietf-manet-olsrv2-management-snapshot/history/>

Caveat: WG not having produced a document satisfying the OPS AD is being used against the WG in other areas <http://www.ietf.org/mail-archive/web/manet/current/msg17900.html>