

## MANET WG Progress

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## Miscellaneous

- IPR reminder - RFC 3979
  - [https://datatracker.ietf.org/public/ipr\\_disclosure.cgi](https://datatracker.ietf.org/public/ipr_disclosure.cgi)
  - If you know about IPR relevant to the technology and you are contributing, you have to speak up
- Jabber
  - <http://www.xmpp.org/ietf-chat.html>
  - [manet@jabber.ietf.org](mailto:manet@jabber.ietf.org)
- Audiocast
  - <http://videolab.uoregon.edu/events/ietf/>
  - Please state your name clearly

## MANET WG Status

- Generalized MANET Packet/Message Format  
=**PacketBB** -01
- MANET Neighborhood Discovery Protocol  
=**NHDP** -00
- Simplified Multicast Forwarding  
=**SMF** -02 (not updated yet)
- Dynamic MANET On-demand Routing  
=**DYMO** -05
- Optimized Link-State Routing Protocol  
version 2 =**OLSRv2** -02
- All working group items are progressing

## Various Remaining Topics

- DSR - In RFC editor queue
- Routing document requirements (guidance)
  - draft-fenner-zinin-rtg-standard-reqts
  - RFC 2026
  - draft-fenner-obsolete-1264
  - RFC 1264
- IANA consideration discussion
- Milestone update

## Routing Requirements for Proposed Standard (draft-fenner-zinin-rtg-standard)

1. Document specifying protocol
  2. MIB (I-D) \*more later
  3. Security (authentication) \*more later
  4. Independent interoperable implementations
  5. Operational evidence of major features
  6. No operational experience required
- ... Now on the documents

## Documents

- Routing protocol specification
  - PROTO writeup
- Report
  - Implementation experience
  - List of implementations including origin of code
  - Interoperability report
  - Test scenarios and test results showing that the major features of the protocols have been tested
- Security
  - Threats (probably)
  - Authentication mechanism
  - More on the next slide

## Security

- There may be some existing routing protocol security specifications with similar threats and solutions
- RFC 4552 approach

"This document describes means and mechanisms to provide authentication/confidentiality to OSPFv3 using an IPv6 Authentication Header/Encapsulating Security Payload (AH/ESP) extension header."

  - Simplified IPsec
  - Fixed keys
  - Rollover

## MIBs

- RFC 1264

"A Management Information Base (MIB) must be written for the protocol. Routing protocols, like all other internet protocols, need a MIB defined so they can be remotely managed. Routing protocols need to be managed"
- Solicitation for MIB veterans and/or volunteers

## MANET IANA Considerations

- Link local multicast for MANET routers
- Other scoped multicast addresses
- Possibility of using a common UDP port for MANET routing protocols & its interaction with PacketBB IANA message type registry
- Are there other IANA considerations that don't fall directly within an existing WG document?
- A draft will be submitted shortly for discussion on the list

## Milestone Update

- December 2006 MIBs
- Interoperability + protocol experience
- April 2007 Submit to IESG

## Questions for the WG

- Who is running MANET protocols
- Who is implementing MANET protocols
- Who has experience with MIBs
- Who would be willing to help with MIBs

## Short Term Goals

- Review the Internet-drafts
  - Send comments to list or author(s)
  - Mailing list discussion
  - Reviewers & implementers
    - please send me an email
- [ian.chakeres@gmail.com](mailto:ian.chakeres@gmail.com)