Changes -12 to -13

- Response to IESG/GEN-ART Review:
  - Motivation and Rationale
  - Versioning
  - Security Considerations
  - IANA Considerations
  - Multiplexing / Demultiplexing

- Functional Changes:
  - Versioning and Packet Header
Packet Headers

Minimum

Maximum

Packet TLV Block
Status

- Outstanding Issues:
  - Notation and Reference

- Does `draft-ietf-manet-packetbb-13` address IESG/GEN-ART review comments?
draft-ietf-manet-timetlv
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Changes -04 to -05

- Compatibility update:
  - draft-ietf-manet-packetbb-13

- Response to IESG/GEN-ART Review:
  - Motivation and Rationale
  - Document structure, clarity (multi-value TimeTLVs)
  - Distance defined to be hop-count as specified in packetbb (default value without hop-count)
Status

• Outstanding Issues:
  • What “Security Considerations” do we need?
• Does draft-ietf-manet-timetlv-05 address IESG/GEN-ART review comments?
draft-ietf-manet-nhdp

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Changes -06 to -07

- Compatibility update:
  - draft-ietf-manet-packetbb-13
  - draft-ietf-manet-timetlv-05

- Response to GEN-ART Review:
  - Motivation and Rationale
Status

• Outstanding Issues:
  • Notation and Reference
  • Trickle-down from packetbb: Multiplexing / demultiplexing

• Does draft-ietf-manet-nhdp-07 address GEN-ART review comments?
draft-ietf-manet-olsrv2
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T. Clausen, C. Dearlove, P. Jacquet
Changes -05 to -07

- Compatibility update:
  - draft-ietf-manet-packetbb-13
  - draft-ietf-manet-timetlv-05
draft-dearlove-olsrv2-metrics
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C. Dearlove, T. Clausen, P. Jacquet
Objective

- Add metrics to OLSRv2 to enable non-minimum hop routing
- Modify only OLSRv2 specification
- Minimum delay adopting metrics for OLSRv2
Basic Assumptions
(recap)

- Additive dimensionless metric
- Dynamic range to permit approximations to other approaches
- Directional metric, determined at receiver
- All nodes agree on all values of metric
- Mapping from real-world parameters to dimensionless metric is out-of-scope
Key Changes to OLSRv2
(recap)

• Separation of routing and flooding MPRs
  • Routing MPRs use incoming metrics
  • Flooding MPRs use outgoing metrics

• Advertise:
  • Incoming metrics in HELLO messages (local advertisement, routing)
  • Outgoing metrics in HELLO messages (flooding, 2-hop routing)
  • Outgoing metrics in TC messages (routing)
Changes -00 to -02

- More efficient use of 2-hop neighborhood to allow reduction of number of routing MPRs
- Algorithm specified in appendix
- Details extension and use of information bases specified in OLSRv2
- Explanatory material extended
Routing MPR Selection

By A

- No metrics
  - Pick C

- With metrics to cover all 2-hop nodes
  - Pick B and C

- Sufficient for min-distance routes
  - Pick B

Figure 7
Still to be added

- Example flooding MPR selection
  - Already: specify required behavior
  - Need to: provide well-behaved example algorithm
- Update constraints on information bases
Future Plans

- Issue -03 with previous items done; AND
- Either:
  - integrate protocol aspects into OLSRv2
  - possible venue for rationale / explanations?
  - discontinue
OLSRv2 Interop / Workshop Announcement
IETF 72 - Dublin
T. Clausen, Y. Lacharite
OLSRv2 Interop / Workshop

- October 13-15 2008, Ottawa, Canada
- Kindly hosted by: CRC.ca
- Workshop (1 day):
  - experimental, practical, deployment results, extension
- Interop (2 days):
  - OLSR and, especially, OLSRv2 implementations, IPv4/6
- More information:
  - http://interop08.thomasclausen.org