

draft-ietf-manet-packetbb

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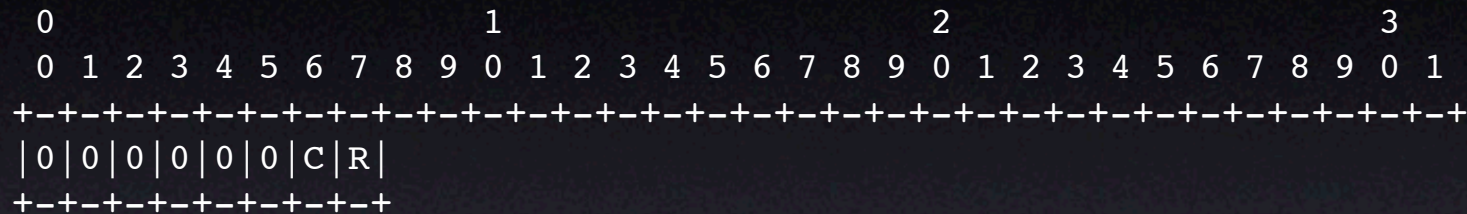
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Changes -12 to -13

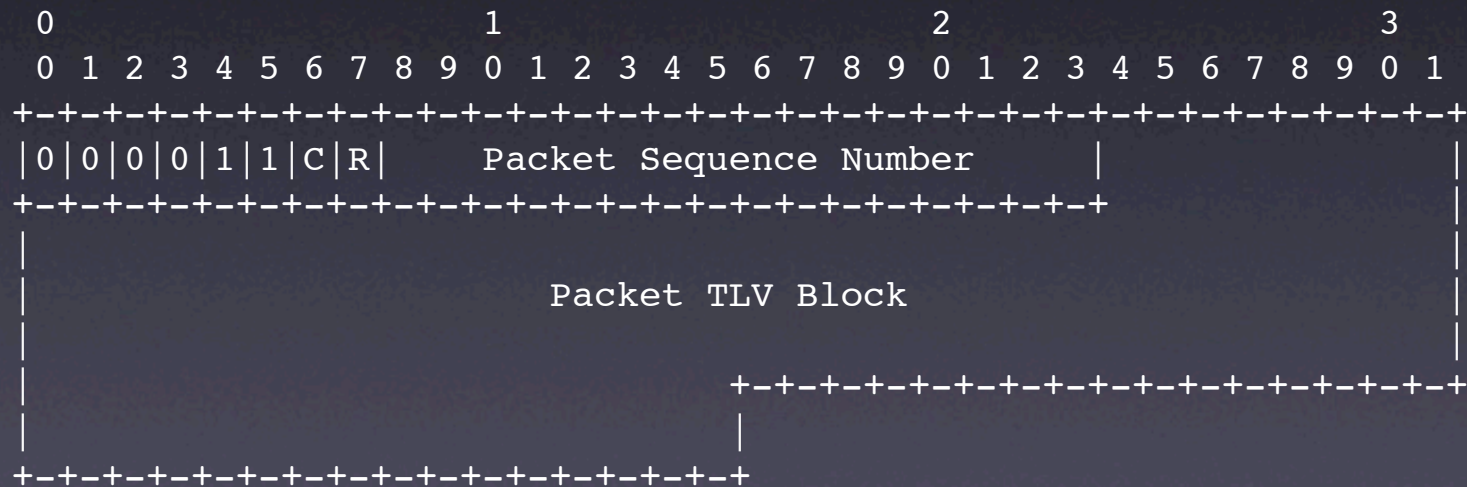
- Response to IESG/GEN-ART Review:
 - Motivation and Rationale
 - Versioning
 - Security Considerations
 - IANA Considerations
 - Multiplexing / Demultiplexing
- Functional Changes:
 - Versioning and Packet Header

Packet Headers

Minimum



Maximum



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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T. Clausen, C. Dearlove

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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Changes -05 to -07

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

draft-dearlove-olsrv2-metrics

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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

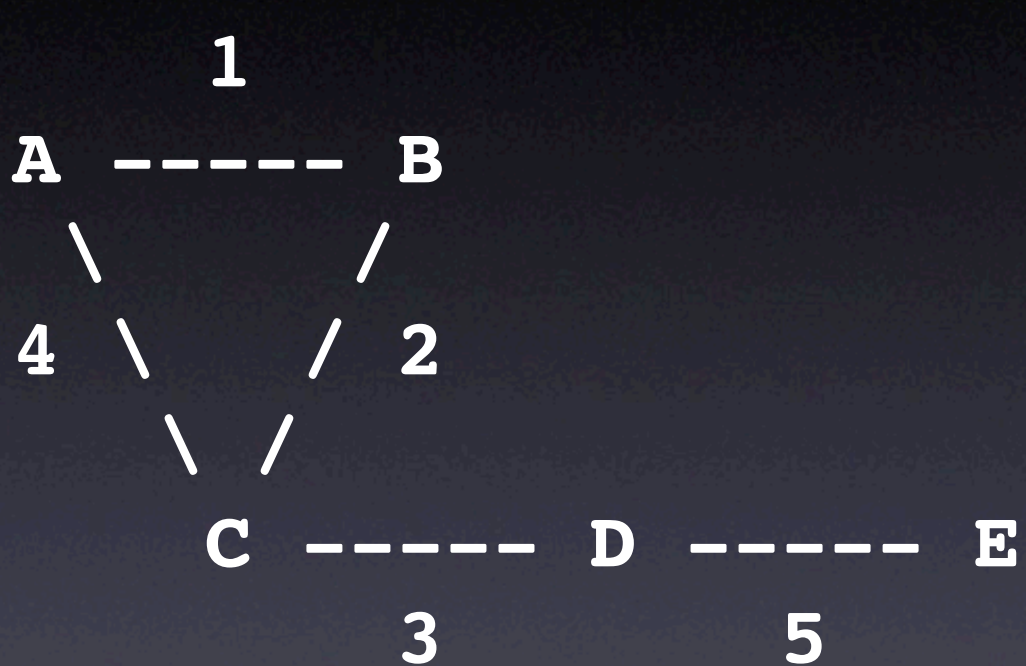


Figure 7

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

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>