

draft-decraeneginsberg-lsr-isis-fast-flooding-00

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Summary

September, 2021 authors of:

draft-decraene-lsr-isis-flooding-speed

draft-ginsberg-lsr-isis-flooding-scale

met and agreed to produce a combined draft.

Consensus Points

Many Congestion Control Algorithms are possible

- Implemented on Tx Side

- Consistency not required for interoperability

Flow Control Requires Specification for interoperability

Best way forward is to provide tools so implementors can make use of what they believe is best

Combined draft content

1. Introduction

3. Historical Behavior

Discusses the motivations for the work and contrasts the historical behavior (33 LSPs/second) with the goals of faster flooding.

Text from both drafts merged – as this was a consensus point there were no significant issues in producing these sections

Combined draft content(2)

- 4. Flooding Parameters TLV
 - 4.1. LSP Burst Window sub-TLV (from draft-decraene, renamed)
 - 4.2. LSP Transmission Interval sub-TLV (from draft-decraene, renamed)
 - 4.3. LSPs Per PSNP sub-TLV (new)
 - 4.4. Flags sub-TLV (new)
 - 4.5. Partial SNP Interval sub-TLV (new)
 - 4.6. Operation on a LAN interface (from draft-decraene)
- 5. Performance improvement on the receiver (merged text)
 - 5.1. Rate of LSP Acknowledgments
 - 5.2. Packet Prioritization on Receive

Combined draft content(3)

6. Congestion and Flow Control

6.1. Overview (new introductory section)

6.2. Congestion and Flow Control algorithm: Example

(Algorithm from draft-decraene. Description has been updated)

6.3. Congestion Control algorithm: Example 2

(Algorithm from draft-ginsberg. Description has been updated)

Appendix A. Changes / Author Notes (Placeholder)

Appendix B. Issues for Further Discussion (Placeholder)

Next Steps

Request WG Adoption!!

Continue Work – Report/Update the draft