Consensus Statement on Fast Flooding Drafts

Authors of:
draft-decraene-lsr-isis-flooding-speed
draft-ginsberg-lsr-isis-flooding-scale

Consensus Points

(Subset of) draft authors met privately

Many Congestion Avoidance Algorithms are possible

- Implemented on Tx Side
- Consistency not required for interoperability
- No need for specification

Flow Control Requires Specification for interoperability

Value add/ease of use for Flow Control may differ based on router architecture

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

Combined draft

Define new TLV supporting:

- InterfaceLSPReceiveWindow (RWIN)
- LSP/PSNPThreshold(LPP)
- partialSNPInterval(milliseconds)
- Extensible to advertise other values

TLV supported in IIHs and PSNPs

This provides tools for multiple solutions.

Combined draft(2)

Discuss alternative algorithms (non-normative)

Merge faster flooding context discussion

Draft will emphasize implementations can choose what they want to support

Target for combined draft published in time for IETF 112 meeting (October 25, 2021)