IS-IS Extension to Support Segment Routing over IPv6 Dataplane

draft-ietf-lsr-isis-srv6-extensions

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Anycast Flag

- SRv6 Locator TLV - A-flag has been removed

- New section: "Advertising Anycast Property"

- A new flag in "Bit Values for Prefix Attribute Flags Sub-TLV" registry [RFC7794] is defined
  - Bit #: 4 - Anycast Flag (A-flag)
  - When the prefix/SRv6 locator is configured as anycast, the A-flag SHOULD be set. Otherwise, this flag MUST be clear.

Anycast Flag

- The A-flag MUST be preserved when leaked between levels.

- The A-flag and the N-flag MUST NOT both be set.

- If both N-flag and A-flag are set in the prefix/SRv6 Locator advertisement, the receiving routers MUST ignore the N-flag.

- The same prefix/SRv6 Locator can be advertised by multiple routers. If at least one of them sets the A-Flag in its advertisement, the prefix/SRv6 Locator SHOULD be considered as anycast.

Next Steps

- Document has been stable for some time
- Multiple implementations available
- Ready for LC
- Questions/Comments?

Thank you!