IS-IS Extension to Support Segment Routing over IPv6 Dataplane

draft-ietf-lsr-isis-srv6-extensions

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WG Adoption

- draft-ietf-lsr-isis-srv6-extensions
- Adopted as WG document
Flex-Algo Locators

• “Locators associated with Flexible Algorithms SHOULD NOT be advertised in Prefix Reachability TLVs (236 or 237).“

• Avoids the Flex-Algo locator to be reachable in Algo-0 on routers that are not participating in the Flex-Algo
SRv6 SID Structure Sub-Sub-TLV

- Describes the length of individual parts of the SRv6 SID
  - Locator Block/Node, Function, Arguments
- Optional Sub-Sub-TLV of
  - SRv6 End SID Sub-TLV
  - SRv6 (LAN) End.X SID Sub-TLV
SRv6 Locator TLV - A-flag

• New Flag added during last IETF
  – A bit: when the Locator is configured as anycast, the A bit SHOULD be set. Otherwise, this bit MUST be clear.

• Considering to move the A-flag to IPv4/IPv6 Extended Reachability Attribute Flags
  – Available under Locator TLV
  – A-bit has applicability outside of SRv6
  – Any implementation of A-bit?
Next Steps

• Multiple implementations available
• Continue to evolve the document
• Questions/Comments?
Thank you!