LSR WG Status
IETF 112, Virtual

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Note Well

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- **BCP 9** (Internet Standards Process)
- **BCP 25** (Working Group processes)
- **BCP 25** (Anti-Harassment Procedures)
- **BCP 54** (Code of Conduct)
- **BCP 78** (Copyright)
- **BCP 79** (Patents, Participation)
- https://www.ietf.org/privacy-policy/(Privacy Policy)
RFCs since IETF 111

- RFC 9084 – OSPF Prefix Originator Extensions
- RFC 9088 - Signaling Entropy Label Capability and Entropy Readable Label Depth Using IS-IS
- RFC 9089 - Signaling Entropy Label Capability and Entropy Readable Label Depth Using OSPF
RFCs in AUTH48

- YANG Data Model for OSPF Protocol - draft-ietf-ospf-yang-26 – Waiting on decision of whether to wait for BFD YANG BIS.
- YANG Data Model for IS-IS Protocol - draft-ietf-isis-yang-isis-cfg-42 – Waiting on decision of whether to wait for BFD YANG BIS.
Drafts on RFC Queue with Missed References

- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-lsr-isis-srv6-extensions-18
  - Missing reference to Flex Algorithm and SRv6 OAM.
Drafts Completed WG Last Call (1/2)

- IS-IS Extensions in Support of Inter-Autonomous System (AS) MPLS and GMPLS Traffic Engineering – draft-ietf-lsisis-rfc5316bis
  - WG Last Call Completed – Waiting on AD review
- IGP Flexible Algorithm - draft-ietf-lsr-flex-algo-18
  - Second WG Last Call Completed
  - Errata for RFC8920 and RFC 8919
  - Directorate reviews done and comments incorporated
  - Now waiting on AD review
- YANG Module for IS-IS Reverse Metric - draft-ietf-lsr-yang-isis-reverse-metric-04
  - AD Review and update completed – in IETF last Call
Drafts Completed WG Last Call 2/2

- IGP extension for PCEP security capability support in the PCE discovery - draft-ietf-lsr-pce-discovery-security-support-09
  - Last call comments addressed
  - SECDIR comments addressed
  - Now awaiting AD Review
Drafts WG Last Call Ready? (1/2)

- YANG Data Model for OSPF SR (Segment Routing) Protocol - draft-ietf-ospf-sr-yang-15
  - Authors believe ready for WG Last Call.
- YANG Data Model for IS-IS Segment Routing - draft-ietf-isis-sr-yang-10
  - Authors believe ready for WG Last Call.
- YANG Model for OSPFv3 Extended LSAs - draft-ietf-lsr-ospfv3-extended-lsa-yang-08
  - Authors believe ready for WG Last Call
IS-IS Flood Reflection - draft-ietf-lsr-isis-flood-reflection-04
  - Authors believe ready for WG Last Call – List discussion started
  - Covered today

OSPF Strict-Mode for BFD - draft-ietf-lsr-ospf-bfd-strict-mode-04
  - Has been implemented and authors believe ready for last call.

OSPFv3 Extensions for SRv6 - draft-ietf-lsr-ospfv3-srv6-extensions-02
  - IS-IS SRv6 Extensions is advancing and these extensions are needed
  - Referenced by several other WG documents including a YANG model and PCE document
  - Currently Expired
Existing WG Documents 1/3

- Dynamic Flooding on Dense Graphs - draft-ietf-lsr-dynamic-flooding-09
  - Implementations preceding
  - Ready for WG last call?

- Area Proxy for IS-IS - draft-ietf-lsr-isis-area-proxy-06
  - Experimental track with early allocations
  - Implementation under way

- IS-IS TTZ - draft-ietf-lsr-isis-ttz-04.txt
  - No changes.

- OSPF Reverse Metric - draft-ietf-lsr-ospf-reverse-metric-04 – Lower priority but basically ready for WG last call.

- IS-IS Extended Hierarchy - draft-ietf-lsr-isis-extended-hierarchy-04
  - Seems to be significant enough that we’d like implementations to standardize.
Existing WG Documents 2/3

- Flooding Topology Minimum Degree Algorithm - draft-ietf-lsr-flooding-topo-min-degree-02
  - Distributed algorithm consistent with dynamic flooding architecture
  - Dependent on Dynamic Flooding on Dense Graphs
- OSPF YANG Model Augmentations for Additional Features - Version 1 - draft-ietf-lsr-ospf-yang-augmentation-v1-06
  - Includes more augmentations – WG discussion on next steps.
- IS-IS YANG Model Augmentations for Additional Features - Version 1 - draft-ietf-lsr-isis-yang-augmentation-v1-00
  - Includes more augmentations – WG discussion on next steps
- OSPF Transport Instance Extensions - draft-ietf-lsr-ospf-transport-instance-00 – Control plane segmentation of non-routing data.
  - Relatively new draft
Existing WG Documents 3/3

- Advertising L2 Bundle Member Link Attributes in OSPF - draft-ietf-lsr-ospf-l2bundles-02
- IGP Flexible Algorithms (Flex-Algorithm) in IP Networks – draft-ietf-lsr-ip-flexalgo-03
- Extensions to OSPF for Advertising Prefix Administrative Tags - draft-ietf-lsr-ospf-admin-tags-02
- Using IS-IS Multi-Topology (MT) for Segment Routing based Virtual Transport Network - draft-ietf-lsr-isis-sr-vtn-mt-01
- Flexible Algorithms: Bandwidth, Delay, Metrics and Constraints - draft-ietf-lsr-flex-algo-bw-con-01
  - Generic Metric ASLA missing – covered today
- Algorithm Related IGP-Adjacency SID Advertisement - draft-ietf-lsr-algorithm-related-adjacency-sid-01
New WG Documents

- YANG Data Model for IS-IS SRv6 - draft-ietf-lsr-isis-srv6-yang-00
- YANG Data Model for OSPF SRv6 - draft-ietf-lsr-ospf-srv6-yang-00
WG Document Adoption Call
Backlog (Adoption Requests)

- IS-IS Flooding draft – Covered today
- Prefix Unreachable Announcement - draft-wang-lsr-prefix-unreachable-announcement-06
  - Covered today
- Passive Interface Attribute - draft-wang-lsr-passive-interface-attribute-08
  - Covered today
Documents of Note in Other WGs

- LSR Extensions for BIER over Ethernet - draft-ietf-bier-lsr-ethernet-extensions-02
  - More BIER extensions to OSPF and IS-IS
  - Expired

- A YANG Model for MPLS MSD - draft-qu-mpls-mpls-msd-yang-02
  - Includes MSD previously in SR YANG Model
  - Presented this IETF