LSR WG Status
IETF 111, 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/](https://www.ietf.org/privacy-policy/) (Privacy Policy)
RFCs since IETF 110

- RFC 9013 – OSPF Advertisement of Tunnel Encapsulations
RFCs in AUTH48 or waiting on RFC Editor Cluster 340

- **OSPF Prefix Originator Extensions** draft-ietf-lsr-ospf-prefix-originator-12.
Drafts on RFC Queue With Missed References

- YANG Data Model for OSPF Protocol - draft-ietf-ospf-yang-26 – Missing ietf-bfd.yang which is missing ietf-mpls.yang and draft-ietf-teas-yang-te.yang.

- YANG Data Model for IS-IS Protocol - draft-ietf-isis-yang-isis-cfg-42 – Missing ietf-bfd.yang which is missing ietf-mpls.yang and draft-ietf-teas-yang-te.yang.
Drafts Completed WG Last Call (1/2)

- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-lsr-isis-srv6-extensions-17
  - WG Last Call Completed
  - AD Done – IESG Evaluation
- IS-IS Extensions in Support of Inter-Autonomous System (AS) MPLS and GMPLS Traffic Engineering – draft-ietf-ls-isis-rfc5316bis
  - WG Last Call Completed
- IGP Flexible Algorithm - draft-ietf-lsr-flex-algo-17
  - Second WG Last Call Completed
  - Errata for RFC8920 and RFC 8919
Drafts Completed WG Last Call (2/2)

- YANG Module for IS-IS Reverse Metric - draft-ietf-lsr-yang-isis-reverse-metric-03
  - WG Last Call Completed – AD Evaluation
Drafts in WG Last Call

- IGP extension for PCEP security capability support in the PCE discovery - draft-ietf-lsr-pce-discovery-security-support-05
  - Comments from Ketan
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
Drafts WG Last Call Ready? (2/2)

- IS-IS Flood Reflection - draft-ietf-lsr-isis-flood-reflection-02
  - Authors believe ready for WG Last Call – List discussion started
- OSPF Strict-Mode for BFD - draft-ietf-lsr-ospf-bfd-strict-mode-03
  - Has been implemented and authors believe ready for last call.
- OSPFv3 Extensions for SRv6 - draft-ietf-ospf-ospfv3-srv6-extensions-02
  - IS-IS SRv6 Extensions done and referenced by Flex Alg
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-03.txt
  - No changes.

- OSPF Reverse Metric - draft-ietf-lsr-ospf-reverse-metric-03 – Lower priority but basically ready for WG last call.
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.
- IS-IS Extended Hierarchy - draft-ietf-lsr-isis-extended-hierarchy-04
  - Not priority right now
  - Seems to be significant enough that we’d like implementations to standardize.
Existing WG Documents 3/3

- Advertising L2 Bundle Member Link Attributes in OSPF - draft-ietf-lsr-ospf-l2bundles-01
- 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-01
New WG Documents

- 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-00
In WG Document Adoption Call

- YANG Data Model for IS-IS SRv6 - draft-hu-isis-srv6-yang-06
- YANG Data Model for OSPF SRv6 - draft-hu-ospf-srv6-yang-04
WG Document Adoption Call
Backlog (Adoption Requests)

- Flooding drafts – Covered today
- Prefix Unreachable Announcement - draft-wang-lsr-prefix-unreachable-announcement-06
  - Covered today as well as alternative draft
- 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

- OSPFv3 Extensions for BIER draft-ietf-bier-ospfv3-extensions-04
  - OSPFv3 BIER Extension similar to OSPFv2
  - No Movement

- A YANG Model for MPLS MSD - draft-qu-mpls-mpls-msd-yang-00
  - Includes MSD previously in SR YANG Model
  - No movement