

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/>(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.
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using OSPF - draft-ietf-ospf-mpls-elc-15.
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using IS-IS - draft-ietf-isis-mpls-elc-15.

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-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-annoucement-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