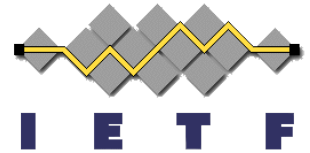


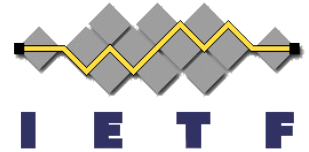
LSR WG Status

IETF 112, Virtual

Acee Lindem, Cisco
Chris Hopps, LabN



Note Well



This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- ✦ By participating in the IETF, you agree to follow IETF processes and policies.
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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)

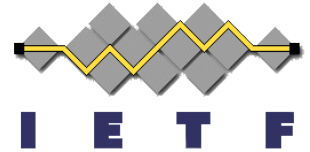
RFCs since IETF 111

- 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

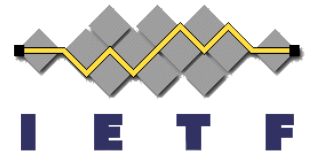
- YANG Data Model for OSPF Protocol - draft-ietf-ospf-yang-26 – Waiting on decision of whether to wait for BFD YANG BIS.
- YANG Data Model for IS-IS Protocol - draft-ietf-isis-yang-isis-cfg-42 – Waiting on decision of whether to wait for BFD YANG BIS.

Drafts on RFC Queue with Missed References



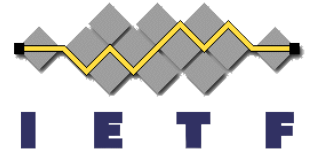
- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-lsr-isis-srv6-extensions-18
 - Missing reference to Flex Algorithm and SRv6 OAM.

Drafts Completed WG Last Call (1/2)



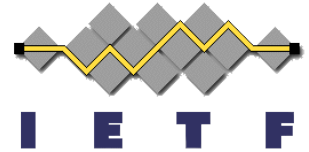
- IS-IS Extensions in Support of Inter-Autonomous System (AS) MPLS and GMPLS Traffic Engineering – draft-ietf-isis-rfc5316bis
 - WG Last Call Completed – Waiting on AD review
- IGP Flexible Algorithm - draft-ietf-lsr-flex-algo-18
 - Second WG Last Call Completed
 - Errata for RFC8920 and RFC 8919
 - 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



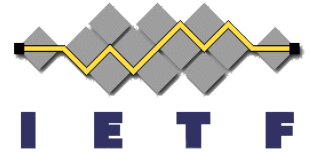
- IGP extension for PCEP security capability support in the PCE discovery - draft-ietf-lsr-pce-discovery-security-support-09
 - Last call comments addressed
 - SECDIR comments addressed
 - Now awaiting AD Review

Drafts WG Last Call Ready? (1/2)

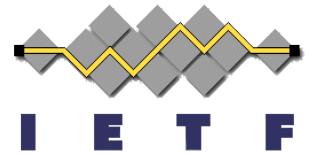


- YANG Data Model for OSPF SR (Segment Routing) Protocol - draft-ietf-ospf-sr-yang-15
 - Authors believe ready for WG Last Call.
- YANG Data Model for IS-IS Segment Routing - draft-ietf-isis-sr-yang-10
 - Authors believe ready for WG Last Call.
- YANG Model for OSPFv3 Extended LSAs - draft-ietf-lsr-ospfv3-extended-lsa-yang-08
 - Authors believe ready for WG Last Call

Drafts WG Last Call Ready? (2/2)

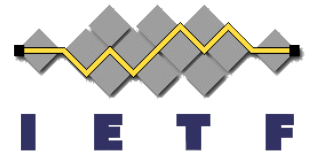


- IS-IS Flood Reflection - draft-ietf-lsr-isis-flood-reflection-04
 - Authors believe ready for WG Last Call – List discussion started
 - Covered today
- OSPF Strict-Mode for BFD - draft-ietf-lsr-ospf-bfd-strict-mode-04
 - Has been implemented and authors believe ready for last call.
- OSPFv3 Extensions 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

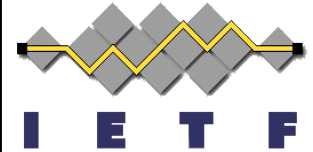
- Dynamic Flooding on Dense Graphs - draft-ietf-lsr-dynamic-flooding-09
 - Implementations preceding
 - Ready for WG last call?
- Area Proxy for IS-IS - draft-ietf-lsr-isis-area-proxy-06
 - Experimental track with early allocations
 - Implementation under way
- IS-IS TTZ - draft-ietf-lsr-isis-ttz-04.txt
 - 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

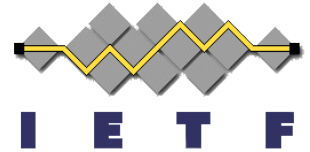
- Flooding Topology Minimum Degree Algorithm - draft-ietf-lsr-flooding-topo-min-degree-02
 - Distributed algorithm consistent with dynamic flooding architecture
 - Dependent on Dynamic Flooding on Dense Graphs
- OSPF YANG Model Augmentations for Additional Features - Version 1 - draft-ietf-lsr-ospf-yang-augmentation-v1-06
 - 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



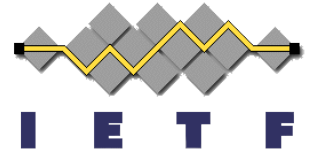
- Advertising L2 Bundle Member Link Attributes in OSPF - draft-ietf-lsr-ospf-l2bundles-02
- IGP Flexible Algorithms (Flex-Algorithm) in IP Networks – draft-ietf-lsr-ip-flexalgo-03
- Extensions to OSPF for Advertising Prefix Administrative Tags - draft-ietf-lsr-ospf-admin-tags-02
- Using IS-IS Multi-Topology (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-annoucement-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