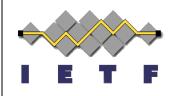
LSR WG Status IETF 111, Virtual

Acee Lindem, Cisco Chris Hopps, LabN



Note Well



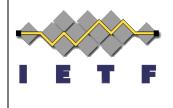
This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read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

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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:

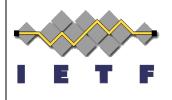
- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- https://www.ietf.org/privacy-policy/(Privacy Policy)



RFCs since IETF 110

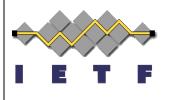
• RFC 9013 – OSPF Advertisement of Tunnel Encapsulations

RFCs in AUTH48 or waiting on RFC Editor Cluster 340



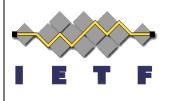
- OSPF Prefix Originator Extensions draft-ietf-lsr-ospfprefix-originator-12.
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using OSPF - draft-ietf-ospf-mpls-elc-15.
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using IS-IS draft-ietf-isis-mpls-elc-15.

Drafts on RFC Queue With Missed References



- YANG Data Model for OSPF Protocol draft-ietf-ospfyang-26 – Missing ietf-bfd.yang which is missing ietfmpls.yang and draft-ietf-teas-yang-te.yang.
- YANG Data Model for IS-IS Protocol draft-ietf-isis-yangisis-cfg-42 – Missing ietf-bfd.yang which is missing ietfmpls.yang and draft-ietf-teas-yang-te.yang.

Drafts Completed WG Last Call (1/2)



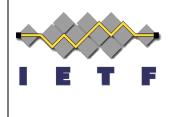
- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-Isr-isis-srv6-extensions-17
 - WG Last Call Completed
 - AD Done IESG Evaluation
- IS-IS Extensions in Support of Inter-Autonomous System (AS) MPLS and GMPLS Traffic Engineering – draft-ietf-Isisis-rfc5316bis
 - WG Last Call 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-lsryang-isis-reverse-metric-03
 - WG Last Call Completed AD Evaluation

Drafts in WG Last Call



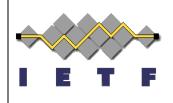
- IGP extension for PCEP security capability support in the PCE discovery - draft-ietf-lsr-pce-discovery-security-support-05
 - Comments from Ketan

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-isissr-yang-10
 - Authors believe ready for WG Last Call.
- YANG Model for OSPFv3 Extended LSAs draft-ietf-lsrospfv3-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-Isr-ospf-bfd-strict-mode-03
 - Has been implemented and authors believe ready for last call.
- OSPFv3 Extensions for SRv6 draft-ietf-ospf-ospfv3-srv6extensions-02
 - IS-IS SRv6 Extensions done and referenced by Flex Alg

Existing WG Documents 1/3

- Dynamic Flooding on Dense Graphs draft-ietf-lsr-dynamicflooding-09
 - Implementations preceding
 - Ready for WG last call?
- Area Proxy for IS-IS draft-ietf-Isr-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-lsrflooding-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-Isr-isis-yang-augmentation-v1-00
 - Includes more augmentations WG discussion on next steps.
- IS-IS Extended Hierarchy draft-ietf-lsr-isis-extendedhierarchy-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



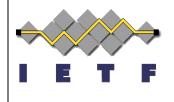
- Using IS-IS Multi-Topology (MT) for Segment Routing based Virtual Transport Network - draft-ietf-Isr-isis-sr-vtnmt-01
- Flexible Algorithms: Bandwidth, Delay, Metrics and Constraints draft-ietf-lsr-flex-algo-bw-con-01
 - Generic Metric ASLA missing covered today
- Algorithm Related IGP-Adjacency SID 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-srv6yang-04

WG Document Adoption Call Backlog (Adoption Requests)



- Flooding drafts Covered today
- Prefix Unreachable Announcement draft-wang-lsrprefix-unreachable-annoucement-06
 - Covered today as well as alternative draft
- Passive Interface Attribute draft-wang-Isr-passiveinterface-attribute-08
 - Covered today



Documents of Note in Other WGs

- LSR Extensions for BIER over Ethernet draft-ietf-bier-Isr-ethernet-extensions-02
 - More BIER extensions to OSPF and IS-IS
 - Expired
- OSPFv3 Extensions for BIER draft-ietf-bier-ospfv3extensions-04
 - OSPFv3 BIER Extension similar to OSPFv2
 - No Movement
- A YANG Model for MPLS MSD draft-qu-mpls-mpls-msdyang-00
 - Includes MSD previously in SR YANG Model
 - No movement