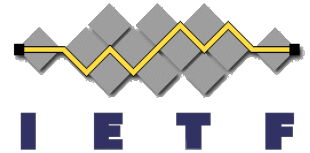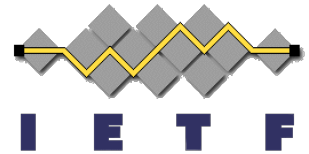# LSR WG Status IETF 111, Virtual

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.

As a reminder:

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- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
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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)
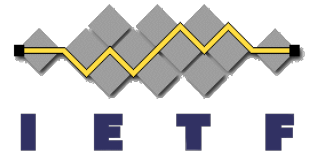
RFCs since IETF 110

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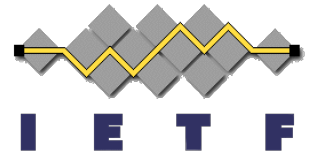
- YANG Data Model for OSPF Protocol - draft-ietf-ospf-yang-26 – Missing ietf-bfd.yang which is missing ietf-mpls.yang and draft-ietf-teas-yang-te.yang.

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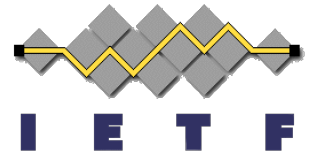
- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-lsr-isis-srv6-extensions-17
  - WG Last Call Completed
- IS-IS Extensions in Support of Inter-Autonomous System (AS) MPLS and GMPLS Traffic Engineering – draft-ietf-ls-isis-rfc5316bis
  - WG Last Call Completed
- IGP Flexible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

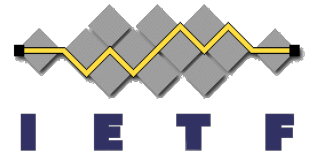# Drafts Completed WG Last Call (2/2)
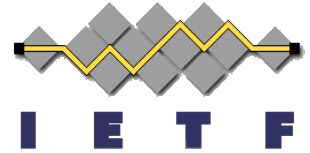
- YANG Module for IS-IS Reverse Metric - draft-ietf-lsr-yang-isis-reverse-metric-03
  - WG Last Call Completed – AD Evaluation

Drafts in WG Last Call
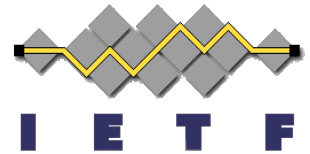
- IGP extension for PCEP security capability support in the PCE discovery - draft-ietf-lsr-pce-discovery-security-support-05

Drafts WG Last Call Ready?

- 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

- OSPFv3 Extensions for SRv6 - draft-ietf-ospf-ospfv3-srv6-extensions-02

  - IS-IS SRv6 Extensions done and referenced by Flex Alg – Ready Soon

- IS-IS Flood Reflection - draft-ietf-lsr-isis-flood-reflection-02

  - Authors believe ready for WG Last Call – List discussion started

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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 - Ready for WG Last Call?

- OSPF Strict-Mode for BFD - draft-ietf-lsr-ospf-bfd-strict-mode-03 - Ready for WG Last Call?
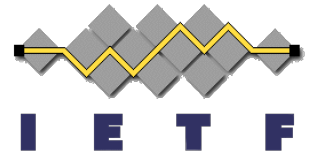
Existing WG Documents 2/3

- 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 move standaridise

Existing WG Documents 3/3
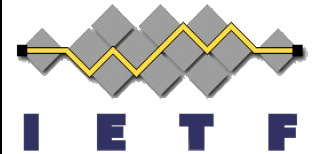
- Advertising L2 Bundle Member Link Attributes in OSPF - draft-ietf-lsr-ospf-l2bundles-01

- 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

- Extensions to OSPF for Advertising Prefix Administrative Tags - draft-ietf-lsr-ospf-admin-tags-01

New WG Documents
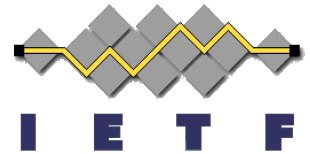
- Using IS-IS Multi-Topology (MT) for Segment Routing based Virtual Transport Network - draft-ietf-lsr-isis-sr-vtn-mt-01

- 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)
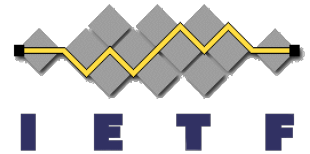
- Flooding drafts – Covered today
- Prefix Unreachable Announcement - draft-wang-lsr-prefix-unreachable-annoucement-06
  - Covered today as well as alternative draft
- Passive Interface Attribute - draft-wang-lsr-passive-interface-attribute-08
  - Covered today

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