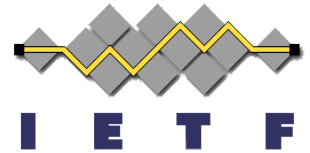


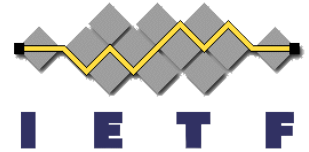
# LSR WG Status

## IETF 113, Vienna

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.

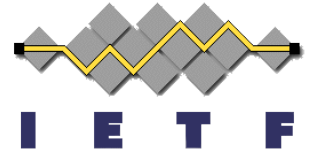
As a reminder:

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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)

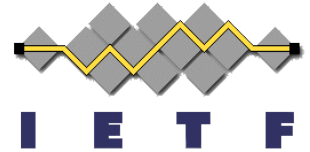
# RFCs since IETF 112



## RFCs in AUTH48

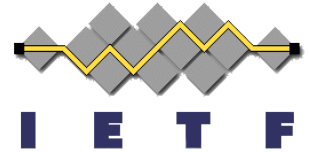
- YANG Data Model for OSPF Protocol - draft-ietf-ospf-yang-26 – Waiting on decision of whether to wait for BFD YANG BIS.
- YANG Data Model for IS-IS Protocol - draft-ietf-isis-yang-isis-cfg-42 – Waiting on decision of whether to wait for BFD YANG BIS.
- YANG Module for IS-IS Reverse Metric - draft-ietf-lsr-yang-isis-reverse-metric-06.

# Drafts on RFC Queue with Missed References



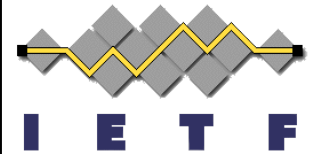
- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-lsr-isis-srv6-extensions-18
  - Missing reference to Flex Algorithm and SRv6 OAM.

# Drafts Completed WG Last Call (1/2)



- IS-IS Extensions in Support of Inter-Autonomous System (AS) MPLS and GMPLS Traffic Engineering – draft-ietf-ls-isis-rfc5316bis-02
  - WG Last Call Completed – Waiting on AD review
- IGP Flexible Algorithm - draft-ietf-lsr-flex-algo-18
  - In AD Review
  - One comment on TLV/Sub-TLV overflow

# 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
  - Now awaiting AD Review
- IS-IS Flood Reflection - draft-ietf-lsr-isis-flood-reflection-07
  - Now awaiting AD Review
- OSPF Strict-Mode for BFD - draft-ietf-lsr-ospf-bfd-strict-mode-05
  - 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-17
  - Authors believe ready for WG Last Call.
- YANG Data Model for IS-IS Segment Routing - draft-ietf-isis-sr-yang-12
  - Authors believe ready for WG Last Call.
- YANG Model for OSPFv3 Extended LSAs - draft-ietf-lsr-ospfv3-extended-lsa-yang-10
  - Authors believe ready for WG Last Call



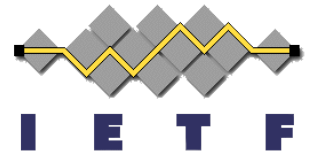
# Drafts WG Last Call Ready?



(2/2)

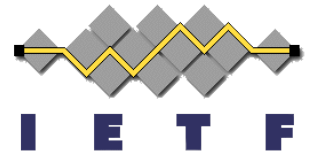
- OSPFv3 Extensions for SRv6 - draft-ietf-lsr-ospfv3-srv6-extensions-03
  - IS-IS SRv6 Extensions is on RFC queue and these extensions are needed
  - Referenced by several other WG documents including a YANG model and PCE document
- IGP Flexible Algorithms (Flex-Algorithm) in IP Networks – draft-ietf-lsr-ip-flexalgo-04
  - Authors have requested WG Last Call
- OSPF Reverse Metric - draft-ietf-lsr-ospf-reverse-metric-04
  - OSPF version of IS-IS RFC 8500
- Extensions to OSPF for Advertising Prefix Administrative Tags - draft-ietf-lsr-ospf-admin-tags-03
  - Authors believe ready for WG Last Call

# Existing WG Documents (1/3)



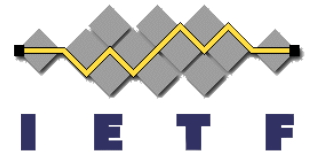
- Dynamic Flooding on Dense Graphs - draft-ietf-lsr-dynamic-flooding-10
  - Implementations preceding
  - Ready for WG last call?
- IS-IS Extended Hierarchy - draft-ietf-lsr-isis-extended-hierarchy-05
  - Seems to be significant enough that we'd like implementations to standardize.
  - No changes.
- Area Proxy for IS-IS - draft-ietf-lsr-isis-area-proxy-07
  - No changes.
- IS-IS TTZ - draft-ietf-lsr-isis-ttz-04
  - No changes.

# Existing WG Documents (2/3)



- Flooding Topology Minimum Degree Algorithm - draft-ietf-lsr-flooding-topo-min-degree-04
  - 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-v1-07
  - Includes more augmentations – WG discussion on next steps.
- IS-IS YANG Model Augmentations for Additional Features - Version 1 - draft-ietf-lsr-isis-yang-augmentation-v1-03
  - Includes more augmentations – WG discussion on next steps
- OSPF Transport Instance Extensions - draft-ietf-lsr-ospf-transport-instance-01 – 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
- 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-02

# New WG Documents



- IS-IS Fast Flooding – draft-ietf-lsr-isis-fast-flooding-00
  - Implementation preceding
- Using IS-IS Multi-Topology (MT) for Segment Routing based Virtual Transport Network - draft-ietf-lsr-isis-sr-vtn-mt-02
  - New draft
- YANG Data Model for IS-IS SRv6 - draft-ietf-lsr-isis-srv6-yang-00
  - Expired – Need to publish with ietf-lsr title.
- YANG Data Model for OSPF SRv6 - draft-ietf-lsr-ospf-srv6-yang-00
  - Expired – Need to publish with ietf-lsr title.

# WG Document Adoption Call Backlog (Adoption Requests)

