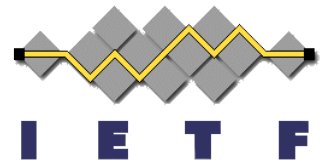


# LSR WG Status

## IETF 108, Virtual

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Acee Lindem, Cisco  
Chris Hopps, LabN





# Note Well

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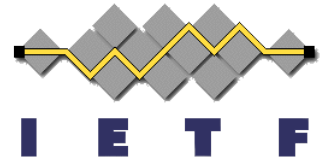
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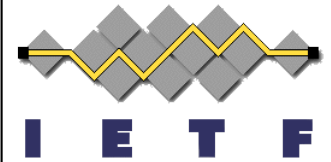


**I E T F**



# RFCs Since IETF 107 Virtual Interims

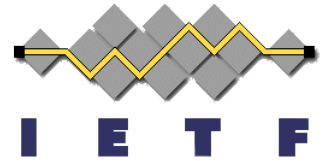




# Drafts on RFC Queue

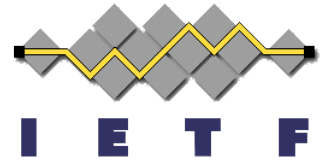
- IS-IS Application-Specific Link Attributes draft-ietf-isis-te-app-19.txt
  - AD Comments and IESG review completed.
- OSPF Application-Specific Link Attributes draft-ietf-ospf-te-link-attr-reuse-16.txt
  - AD comments and IESG review completed.
- Invalid TLV Handling in IS-IS draft-ietf-lsr-isis-invalid-tlv-03
  - Announcement just approved – will be on RFC queue soon.

# Drafts on RFC Queue With Missed References (1/2)



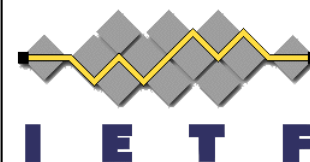
- The Tunnel Encapsulations OSPF Router Information draft-ietf-ospf-encapsulation-cap-09 – Waiting on IDR Tunnel Encap Draft (Publication finally requested)
- YANG Data Model for OSPF Protocol - draft-ietf-ospf-yang-26 – Missing ietf-bfd.yang which is missing ietf-mpls.yang.
- YANG Data Model for IS-IS Protocol - draft-ietf-isis-yang-isis-cfg-42 – Missing ietf-bfd.yang which is missing ietf-mpls.yang.

# Drafts on RFC Queue With Missed References (2/2)



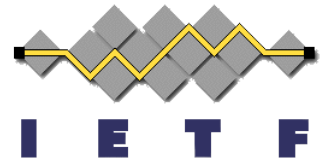
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using OSPF draft-ietf-ospf-mpls-elc-15 – Missing reference draft-ietf-bgp-ls-segment-routing-ext and draft-ietf-bgp-ls-segment-routing-msd.
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using IS-IS draft-ietf-isis-mpls-elc-15 – Missing reference draft-ietf-bgp-ls-segment-routing-ext and draft-ietf-bgp-ls-segment-routing-msd.

# Drafts Completed Currently in WG Last Call



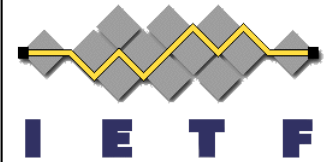
- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-lsr-isis-srv6-extensions-08.txt
  - SRv6 Network Programming WG submitted to IESG for publication
  - Some debate of SID Structure Sub-Sub-TLV – more support to move on with encoding for future extendibility.

# Drafts WG Last Call Ready?



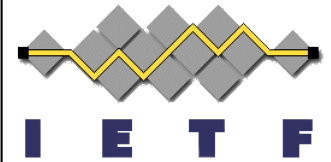
- OSPF Prefix Originator Extensions draft-ietf-lsr-ospf-prefix-originator-06
  - New revision based on author discussion
  - Covered today
- YANG Data Model for OSPF SR (Segment Routing) Protocol draft-ietf-ospf-sr-yang-12
  - Ready for WG Last Call?
- YANG Data Model for IS-IS Segment Routing draft-ietf-isis-sr-yang-08
  - Ready for WG Last Call?
- YANG Module for IS-IS Reverse Metric - draft-ietf-lsr-yang-isis-reverse-metric-00
  - Ready for WG Last Call?





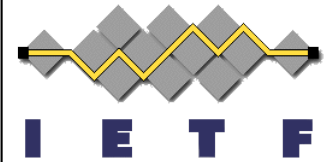
# Existing WG Documents

- Dynamic Flooding on Dense Graphs - draft-ietf-lsr-dynamic-flooding-07
  - Implementations preceding
  - Ready for WG last call?
- IGP Flexible Algorithm draft-ietf-lsr-flex-algo-08
  - Implementations preceding
  - Covered in session
- IS-IS Extended Hierarchy - draft-ietf-lsr-isis-extended-hierarchy-02
  - Not priority right now
  - Seems to be significant enough extension that we'd like implementations to move forward



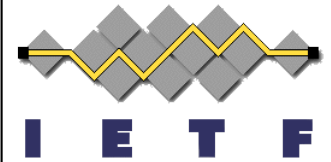
# New WG Documents

- Area Proxy for IS-IS - draft-ietf-lsr-isis-area-proxy-02
  - Experimental track with early allocations
- IS-IS Flood Reflection - draft-ietf-lsr-isis-flood-reflection-01
  - Experimental track with early allocations
- Flooding Topology Minimum Degree Algorithm - draft-ietf-lsr-flooding-topo-min-degree-00
  - Distributed algorithm consistent with dynamic flooding architecture
  - Covered in session if time allows



# Newer WG Documents

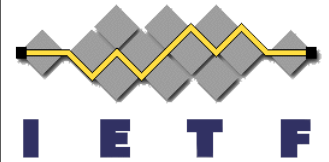
- OSPF YANG Model Augmentations for Additional Features - Version 1 - draft-ietf-lsr-ospf-yang-augmentation-v1-02
  - Now includes OSPF Application-Specific Attributes
  - Will include more augmentations
- YANG Model for OSPFv3 Extended LSAs - draft-ietf-lsr-ospfv3-extended-lsa-yang-02
  - Ready for WG Last Call?
- IGP extension for PCEP security capability support in the PCE discovery - draft-ietf-lsr-pce-discovery-security-support-03
  - Expired – Still interest?
- OSPF Reverse Metric - draft-ietf-lsr-ospf-reverse-metric-01



## Newer WG Documents (2)

- OSPF Strict-Mode for BFD - draft-ietf-lsr-ospf-bfd-strict-mode-01
- OSPFv3 Extensions for SRv6 - draft-ietf-ospf-ospfv3-srv6-extensions-00

# WG Document Adoption Call Backlog (Adoption Requests)



- Extensions to OSPF for Advertising Prefix Administrative Tags - draft-acee-lsr-ospf-admin-tags-04
  - Now possible in both OSPFv2 and OSPFv3 as well as IS-IS Parity
- Advertising L2 Bundle Member Link Attributes in OSPF - draft-ketant-lsr-ospf-l2bundles-01
  - IS-IS Parity
- IS-IS YANG Model Augmentations for Additional Features - Version 1 - draft-acee-lsr-isis-yang-augmentation-v1-02
  - IS-IS augmentations to base model
- YANG Data Model for IS-IS SRv6 -draft-hu-isis-srv6-yang-04
  - SRv6 Extensions to IS-IS