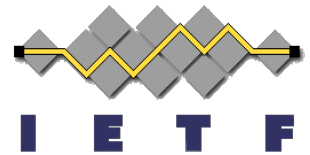
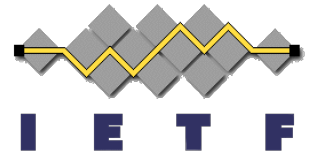


LSR WG Status

IETF 107, Virtual

Acee Lindem, Cisco
Chris Hopps, LabN

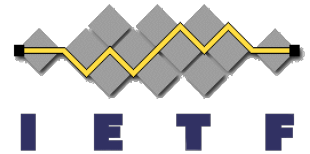




RFCs Since Singapore

- RFC 8665 - OSPF Extensions for Segment Routing
- RFC 8666 - OSPFv3 Extensions for Segment Routing
- RFC 8667 – IS-IS Extensions for Segment Routing
- RFC 8687 - OSPF Routing with Cross-Address Family Traffic Engineering Tunnels
- RFC 8668 - Advertising Layer 2 Bundle Member Link Attributes in IS-IS
- RFC 8706 – Restart Signaling for IS-IS
- RFC 8770 – OSPFv2 Host Bit

Drafts on RFC Queue With Missed References



- 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 – Missed Working Group last call the first time.

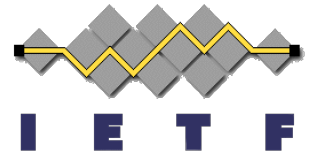
Drafts in AD Review

- IS-IS TE Attributes per application - draft-ietf-isis-te-app-12
 - AD Review completed – Waiting for draft-ietf-ospf-te-link-attr-reuse-10 to complete so they can be progressed together.
- OSPF Link Traffic Engineering (TE) Attribute Reuse - draft-ietf-ospf-te-link-attr-reuse-10
 - New version needed from authors with similar changes as draft-ietf-isis-te-app-12.

Drafts in AD Review (2)

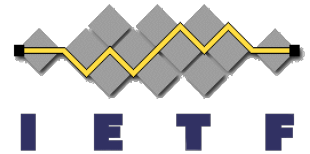
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using - IS-IS draft-ietf-isis-mpls-elc-12
 - AD Review completed – Waiting for draft-ietf-ospf-mpls-elc-12 to complete so they can be progressed together.
- Signaling Entropy Label Capability and Entropy Readable Label-stack Depth Using OSPF - draft-ietf-ospf-mpls-elc-12
 - Changes similar to draft-ietf-isis-mpls-elc-12 needed.

Drafts Completed WG Last Call Waiting for AD Review



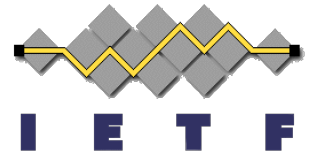
- Invalid TLV Handling in IS-IS - draft-ietf-lsr-isis-invalid-tlv-01

Drafts Completed Currently in WG Last Call



- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-lsr-isis-srv6-extensions-03.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 extensibility.

Drafts Ready for WG Last Call



- OSPF Extension for Prefix Originator - draft-ietf-lsr-ospf-prefix-originator-05

Existing WG Documents

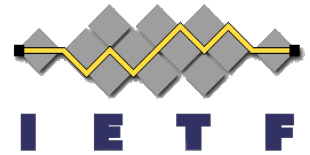


- Dynamic Flooding on Dense Graphs - draft-ietf-lsr-dynamic-flooding-04
 - Implementations preceding
 - Ready for WG last call?
- IGP Flexible Algorithm draft-ietf-lsr-flex-algo-06
 - Implementations preceding
 - Covered in session.
- YANG Data Model for OSPF SR (Segment Routing) Protocol draft-ietf-ospf-sr-yang-11
 - Ready for WG Last Call?
- YANG Data Model for IS-IS Segment Routing draft-ietf-isis-sr-yang-07
 - Ready for WG Last Call?

Newer WG Documents

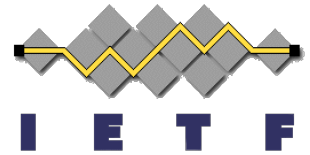
- IS-IS Extended Hierarchy - draft-ietf-lsr-isis-extended-hierarchy-01
 - Covered in session
- OSPF YANG Model Augmentations for Additional Features - Version 1 - draft-ietf-lsr-ospf-yang-augmentation-v1-00
- YANG Model for OSPFv3 Extended LSAs - draft-ietf-lsr-ospfv3-extended-lsa-yang-00
- IGP extension for PCEP security capability support in the PCE discovery - draft-ietf-lsr-pce-discovery-security-support-03
- OSPF Reverse Metric - draft-ietf-lsr-ospf-reverse-metric-00
- IS-IS Routing for Spine-Leaf Topology - draft-ietf-lsr-isis-spine-leaf-ext-02
 - Expired/Staled

Newer WG Documents (2)



- OSPF Strict-Mode for BFD - draft-ietf-lsr-ospf-bfd-strict-mode-00
- OSPFv3 Extensions for SRv6 - draft-ietf-ospf-ospfv3-srv6-extensions-00
- YANG Module for IS-IS Reverse Metric - draft-ietf-lsr-yang-isis-reverse-metric-00

WG Document Adoption Call Backlog (Presented Previously and Adoption Requested)



- Flooding Topology Computation Algorithm
draft-cc-lsr-flooding-reduction-08
 - Based on dynamic flooding
- 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
 - IS-IS SRv6 already adopted – SPRING Work preceding
- Advertising L2 Bundle Member Link Attributes in OSPF - draft-ketant-lsr-ospf-l2bundles-01
 - IS-IS Parity