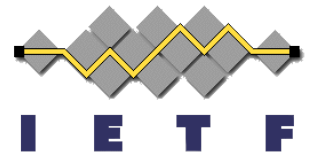


LSR WG Status

IETF 109, Virtual

Acee Lindem, Cisco
Chris Hopps, LabN



Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

- The IETF plenary session
- The IESG, or any member thereof on behalf of the IESG
- Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
- Any IETF working group or portion thereof
- Any Birds of a Feather (BOF) session
- The IAB or any member thereof on behalf of the IAB
- The RFC Editor or the Internet-Drafts function

All IETF Contributions are subject to the rules of [RFC 5378](#) and [RFC 8179](#).

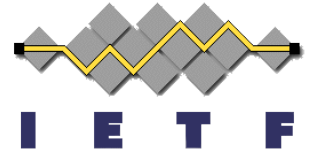
Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult [RFC 5378](#) and [RFC 8179](#) for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

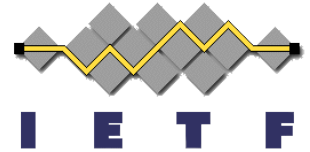


RFCs since IETF 108 Virtual



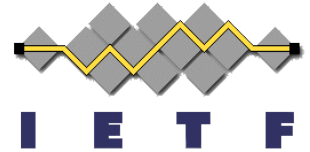
- RFC 8918 - Invalid TLV Handling in IS-IS
- RFC 8919 - IS-IS Application-Specific Link
- RFC 8920 - OSPF Application-Specific Link Attributes

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



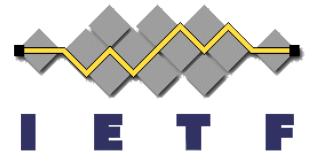
- The Tunnel Encapsulations OSPF Router Information draft-ietf-ospf-encapsulation-cap-09 – Waiting on IDR Tunnel Encap Draft (Publication finally requested)
- YANG Data Model for OSPF Protocol - draft-ietf-ospf-yang-26 – Missing ietf-bfd.yang which is missing ietf-mpls.yang.
- YANG Data Model for IS-IS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



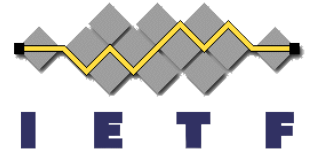
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using OSPF - draft-ietf-ospf-mpls-elc-15 – Missing reference draft-ietf-bgp-ls-segment-routing-ext and draft-ietf-isis-mpls-elc.
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using IS-IS - draft-ietf-isis-mpls-elc-15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

Drafts Completed or Currently in WG Last Call



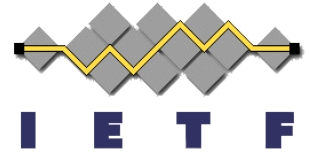
- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-lsr-isis-srv6-extensions-08.txt
 - Implementations exist
 - Foundational work for other drafts
- IGP Flexible Algorithm draft-ietf-lsr-flex-algo-08
 - Implementations preceding
 - Foundational work for other drafts
- OSPF Prefix Originator Extensions draft-ietf-lsr-ospf-prefix-originator-07
 - With shepherd in LSR WG last call

Drafts WG Last Call Ready?



- YANG Data Model for OSPF SR (Segment Routing) Protocol - draft-ietf-ospf-sr-yang-12
 - Authors believe ready for WG Last Call.
- YANG Data Model for IS-IS Segment Routing - draft-ietf-isis-sr-yang-08
 - Authors believe ready for WG Last Call.
- YANG Module for IS-IS Reverse Metric - draft-ietf-lsr-yang-isis-reverse-metric-01
 - Plan to WG last call
- YANG Model for OSPFv3 Extended LSAs - draft-ietf-lsr-ospfv3-extended-lsa-yang-07
 - Ready for WG Last Call?

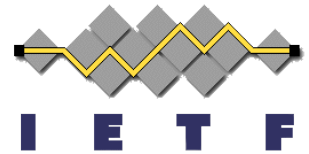
Existing WG Documents



- Dynamic Flooding on Dense Graphs - draft-ietf-lsr-dynamic-flooding-07
 - Implementations preceding
 - Ready for WG last call?
- 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
- Flooding Topology Minimum Degree Algorithm - draft-ietf-lsr-flooding-topo-min-degree-00
 - Distributed algorithm consistent with dynamic flooding architecture
 - Dependent on Dynamic Flooding on Dense Graphs

New WG Documents

- Area Proxy for IS-IS - draft-ietf-lsr-isis-area-proxy-04
 - Experimental track with early allocations
 - Implementation under way
- IS-IS Flood Reflection - draft-ietf-lsr-isis-flood-reflection-01
 - Experimental track with early allocations
- IS-IS TTZ - draft-ietf-lsr-isis-ttz-01.txt
- IGP extension for PCEP security capability support in the PCE discovery - draft-ietf-lsr-pce-discovery-security-support-04
 - Still Interest
- OSPF YANG Model Augmentations for Additional Features - Version 1 - draft-ietf-lsr-ospf-yang-augmentation-v1-03
 - Will include more augmentations

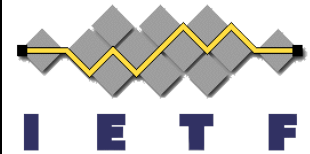


Newer WG Documents

- OSPF Reverse Metric - draft-ietf-lsr-ospf-reverse-metric-01
- OSPF Strict-Mode for BFD - draft-ietf-lsr-ospf-bfd-strict-mode-01
- OSPFv3 Extensions for SRv6 - draft-ietf-ospf-ospfv3-srv6-extensions-01
- Advertising L2 Bundle Member Link Attributes in OSPF - draft-ietf-lsr-ospf-l2bundles-00
- OSPFv3 Extensions for SRv6 - draft-ietf-ospf-ospfv3-srv6-extensions-01
- IS-IS RFC 5316BIS

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
- 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
- YANG Data Model for OSPF SRv6 - draft-hu-ospf-srv6-yang-02
- IS-IS Flooding parameter advertisement - draft-decraene-lsr-isis-flooding-speed-05