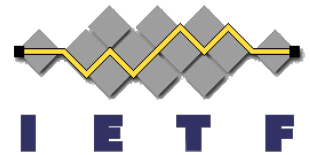


LSR WG Status

IETF 110, 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:

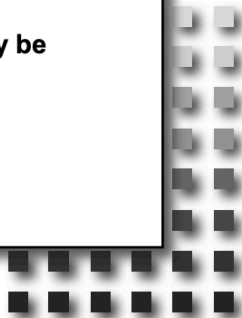
- The IETF plenary session
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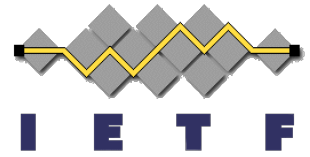
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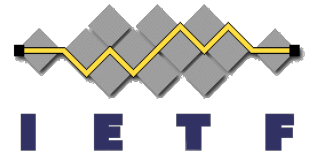
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RFCs since IETF 109 Virtual

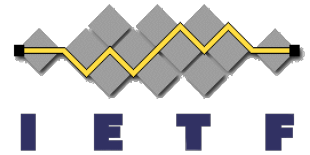


Drafts on RFC Queue With Missed References (1/2)



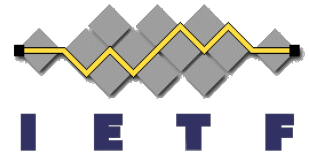
- The Tunnel Encapsulations OSPF Router Information draft-ietf-ospf-encapsulation-cap-09 – Waiting on draft-ietf-idr-tunnel-encaps-22.txt (AUTH48 state)
- YANG Data Model for OSPF Protocol - draft-ietf-ospf-yang-26 – Missing ietf-bfd.yang which is missing ietf-mpls.yang and draft-ietf-teas-yang-te.yang.
- 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 on RFC Queue With Missed References (2/2)



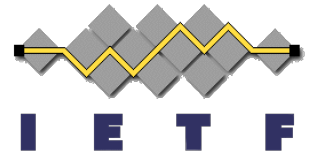
- Signaling Entropy Label Capability and Entropy Readable Label Depth Using OSPF - draft-ietf-ospf-mpls-elc-15 – Missing reference draft-ietf-bgp-ls-segment-routing-ext, draft-ietf-idr-bgp-ls-segment-routing-msd, and draft-ietf-isis-mpls-elc.
- Signaling Entropy Label Capability and Entropy Readable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

Drafts Completed or in WG Last Call (1/2)



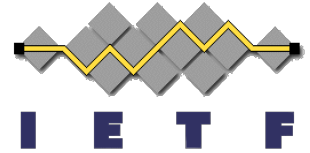
- IS-IS Extension to Support Segment Routing over IPv6 Dataplane - draft-ietf-lsr-isis-srv6-extensions-11
 - WGLC Completed – Revised ID needed from AD Review
- IS-IS Extensions in Support of Inter-Autonomous System (AS) MPLS and GMPLS Traffic Engineering – draft-ietf-isis-rfc5316bis
 - Currently in WG Last Call.
- OSPF Prefix Originator Extensions draft-ietf-lsr-ospf-prefix-originator-07
 - WGLC Completed - Revised ID needed from AD Review

Drafts Completed or in WG Last Call (2/2)



- YANG Module for IS-IS Reverse Metric - draft-ietf-lsr-yang-isis-reverse-metric-03
 - WG Last Call Completed
- IGP Flexible Algorithm - draft-ietf-lsr-flex-algo-14
 - WGLC Completed but another one is coming
 - Covered today

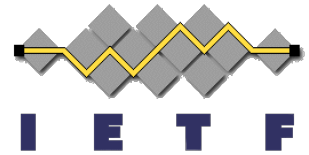
Drafts WG Last Call Ready?



- YANG Data Model for OSPF SR (Segment Routing) Protocol - draft-ietf-ospf-sr-yang-14
 - 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-07
 - Authors believe ready for WG Last Call
- IGP extension for PCEP security capability support in the PCE discovery - draft-ietf-lsr-pce-discovery-security-support-04
 - Authors believe ready for WG Last Call

Existing WG Documents 1/2

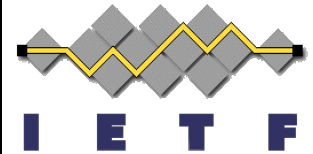
- Dynamic Flooding on Dense Graphs - draft-ietf-lsr-dynamic-flooding-08
 - Implementations preceding
 - Ready for WG last call?
- OSPFv3 Extensions for SRv6 - draft-ietf-ospf-ospfv3-srv6-extensions-02
 - IS-IS SRv6 Extensions done and referenced by Flex Algo
 - Need authors to prioritize
- Area Proxy for IS-IS - draft-ietf-lsr-isis-area-proxy-05
 - Experimental track with early allocations
 - Implementation under way
- IS-IS Flood Reflection - draft-ietf-lsr-isis-flood-reflection-02
 - Experimental track with early allocations
- IS-IS TTZ - draft-ietf-lsr-isis-ttz-02.txt
 - Recently had a good review from Adrian Farrel



Existing WG Documents 2/2

- OSPF Reverse Metric - draft-ietf-lsr-ospf-reverse-metric-02 - Ready for WG Last Call?
- OSPF Strict-Mode for BFD - draft-ietf-lsr-ospf-bfd-strict-mode-02 - Ready for WG Last Call?
- Flooding Topology Minimum Degree Algorithm - draft-ietf-lsr-flooding-topo-min-degree-01
 - 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-v1-03
 - Will include more augmentations
- IS-IS Extended Hierarchy - draft-ietf-lsr-isis-extended-hierarchy-03
 - Not priority right now
 - Seems to be significant enough that we'd like implementations to move standardise

New WG Documents



- Advertising L2 Bundle Member Link Attributes in OSPF - draft-ietf-lsr-ospf-l2bundles-00
- IGP Flexible Algorithms (Flex-Algorithm) in IP Networks – draft-ietf-lsr-ip-flexalgo-14
- Extensions to OSPF for Advertising Prefix Administrative Tags - draft-ietf-lsr-ospf-admin-tags-00
- IS-IS YANG Model Augmentations for Additional Features - Version 1 - draft-ietf-lsr-isis-yang-augmentation-v1-00

WG Document Adoption Call

Backlog (Adoption Requests)



- 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
 - Currently under discussion
 - Multiple test efforts planned
- IS-IS Optimal Distributed Flooding for Dense Topologies - draft-white-lsr-distoptflood-00
 - Currently under discussion but not concluded

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
- A YANG Model for MPLS MSD - draft-qu-mpls-mpls-msd-yang-00
 - Includes MSD previously in SR YANG Model