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# MPLS Working Group

IETF 92 – Dallas

Tuesday, March 24, 13:00-15:00

Friday, March 27, 11:50-13:20

# Agenda Bashing - Admin

- Agenda (<http://www.ietf.org/proceedings/92/agenda/agenda-92-mpls>)

## Tuesday Session I

MPLS WG Status

draft-kini-mpls-spring-entropy-label

draft-tiruveedhula-mpls-mldp-mib

draft-ietf-mpls-lsp-ping-relay-reply

draft-kompella-mpls-rsvp-ecmp

draft-kompella-mpls-larp

draft-kompella-mpls-rmr

draft-cheng-mpls-tp-shared-ring-protection

draft-mirsky-mpls-bfd-directed

draft-mirsky-mpls-residence-time (may potentially overflow over to Friday)

draft-fang-mpls-hsdn-for-hsdc (may potentially move back to Tuesday - time permitting)

# Agenda Bashing - Admin

- Agenda (<http://www.ietf.org/proceedings/92/agenda/agenda-92-mpls>)

## **Friday Session II**

MPLS wg and related Yang activities

draft-raza-mpls-ldp-mldp-yang

draft-zheng-mpls-lsp-ping-yang-cfg

draft-openconfig-mpls-consolidated-model

draft-fang-mpls-hsdn-for-hsdc (potentially move back to Tuesday - time permitting)

draft-bryant-mpls-synonymous-flow-labels

draft-bryant-mpls-sfl-control

draft-bryant-mpls-rfc6374-over-udp

draft-bonica-mpls-self-ping

draft-mtaillon-mpls-summary-frr-rsvpte

draft-chandra-mpls-enhanced-frr-bypass

draft-dai-mpls-rsvp-te-mbb-label-reuse-00

# Agenda Bashing - Admin

- Fill in the [Blue Sheets](#), and pass on. Return to WG Chairs

# WG Status

- Routing Area tuning
  - MPLS and TEAS charters at:
    - <https://datatracker.ietf.org/doc/charter-ietf-mpls/>
    - <https://datatracker.ietf.org/doc/charter-ietf-teas/>
- Deborah to assume responsible AD role for MPLS
- Drafts that may be routed from/to TEAS/MPLS
- MPLS related YANG Model discussions
- WG mailing list

# WG Status

- **Errata** (since last meeting)

- RFC 7394, Errata ID: 4297

- In an LSP Ping TTL, Length value should show length of the value fields only. See RFC 4379 section 3

- Status: Verified (1)

- RFC7394, "Definition of Time to Live TLV for LSP-Ping Mechanisms", November 2014

- Source of RFC: mpls (rtg)

# WG Status

- **7 new MPLS RFCs**

- RFC 7394 (was draft-ietf-mpls-lsp-ping-ttl-tlv)  
Definition of Time to Live TLV for LSP-Ping Mechanisms
- RFC 7412 (was draft-ietf-mpls-smp-requirements)  
Requirements for MPLS Transport Profile (MPLS-TP) Shared Mesh Protection
- RFC 7438 (was draft-ietf-mpls-mldp-in-band-wildcard-encoding)  
Multipoint LDP (mLDP) In-Band Signaling with Wildcards
- RFC 7439 (was draft-ietf-mpls-ipv6-only-gap)  
Gap Analysis for Operating IPv6-Only MPLS Networks
- RFC 7442 (was draft-ietf-mpls-pim-sm-over-mldp)  
Carrying Protocol Independent Multicast - Sparse Mode (PIM-SM) in Any-Source Multicast (ASM) Mode Trees over Multipoint LDP (mLDP)
- RFC 7447 (was draft-ietf-mpls-deprecate-bgp-entropy-label)  
Deprecation of BGP Entropy Label Capability Attribute
- RFC 7473 (was draft-ietf-mpls-ldp-ip-pw-capability)  
Controlling State Advertisements of Non-negotiated LDP Application



# WG Status

- **5 WG drafts in RFC-Editor's queue**
  - draft-ietf-mpls-in-udp-11, State: RFC-EDITOR
    - RFC expected: Jun 2015
  - draft-ietf-mpls-ldp-ipv6-17, State: EDIT
    - RFC expected: May 2015
  - draft-ietf-mpls-lsp-ping-registry-03, State: EDIT
    - RFC expected: Apr 2015
  - draft-ietf-mpls-oam-ipv6-rao-03, State: EDIT
    - RFC expected: Jun 2015
  - draft-ietf-mpls-seamless-mcast-17
    - RFC expected: May 2015

# WG Status

- **5 WG drafts in IESG processing**
  - [draft-ietf-mpls-lsp-ping-relay-reply-07](#)
    - AD is watching
  - draft-ietf-mpls-mldp-node-protection-05
    - Publication Requested (for 24 days) - Submitted to IESG for Publication
  - draft-ietf-mpls-proxy-lsp-ping-04
    - IESG Evaluation::Revised I-D Needed (for 14 days) - Submitted to IESG for Publication Jun 2015
  - draft-ietf-mpls-seamless-mpls-07
    - AD Evaluation (for 151 days) - Submitted to IESG for Publication. Discussions with the responsible AD.
  - draft-ietf-mpls-tp-oam-id-mib-08
    - Publication Requested (for 18 days) - Submitted to IESG for Publication



On the agenda

# WG Status

- **WG drafts**

- draft-ietf-mpls-app-aware-tldp-00
  - Update: new WG draft
- draft-ietf-mpls-entropy-lsp-ping-00
  - Update will be presented at WG session
- draft-ietf-mpls-ldp-mrt-00
  - Update will be presented at WG session
- draft-ietf-mpls-lsp-ping-lag-multipath-00
  - Update: no significant recent update
- draft-ietf-mpls-lsp-ping-mpls-tp-oam-conf-09
  - Update: Document in working group last call.
- draft-ietf-mpls-lsp-ping-reply-mode-simple-01
  - Update: recent updates are editorial/minimal and not controversial, the document is in working group last call.



# WG Status

- draft-ietf-mpls-rfc6374-udp-return-path-02
  - Update: pending
- draft-ietf-mpls-tp-linear-protection-mib-04
  - Update: In Shepherd review
- draft-ietf-mpls-tp-temporal-hitless-psm-06
  - Waiting for WG Chair Go-Ahead, authors will meet in Dallas to see what needs to be done prior to next step. Chairs will decide on process.
- draft-hao-mpls-ip-hard-pipe-01
  - independent stream draft, in ISE review



On the agenda

# WG Status

- **non-WG drafts**

- draft-beeram-mpls-rsvp-te-scaling-01
  - Moved to TEAS
- draft-bonica-mpls-self-ping-04
- draft-bryant-mpls-flow-ident-00
- draft-bryant-mpls-sfl-control-00
- draft-bryant-mpls-synonymous-flow-labels-00
- draft-chandra-mpls-enhanced-frr-bypass-01
- draft-chen-mpls-bfd-enhancement-03:
  - draft merged with draft-mirsky-mpls-bfd-directed
- draft-chen-mpls-source-label-06
  - Pending merge with draft-bryant...
- draft-cheng-mpls-tp-shared-ring-protection-04



# WG Status

- **non-WG drafts**

- draft-cui-mpls-tp-mfp-use-case-and-requirements-04
  - No update
- draft-dai-mpls-rsvp-te-mbb-label-reuse-00
- draft-fang-mpls-hsdn-for-hsdc-01
  - Slides missing
- draft-farrell-mpls-opportunistic-encrypt-04 update:
  - document in scope of the MPLS WG and currently positioned as an Experimental I-D
  - planned experimental implementations, but no coding started
  - need more discussion on the WG mail list
- draft-kompella-mpls-larp-02



Update will be presented in WG session

# WG Status

- **non-WG drafts (continued)**
  - draft-kompella-mpls-rmr-01
  - draft-kompella-mpls-rsvp-ecmp-06
  - draft-kumarkini-mpls-spring-lsp-ping-02
    - No update
  - draft-li-mpls-ldp-mt-mib-06
    - No update
  - draft-mda-mpls-tp-p2mp-oam-framework-00
    - No update
  - draft-mirsky-mpls-bfd-directed-03
  - draft-mirsky-mpls-residence-time-05
  - draft-mtaillon-mpls-summary-frr-rsvpte-00
  - draft-openconfig-mpls-consolidated-model-00
  - draft-raszuk-mpls-domain-wide-labels-03
    - No update



Update will be presented in WG session

# WG Status

- draft-wijnands-mpls-bier-encapsulation-02
  - Waiting BIER WG to start
- draft-you-mpls-spring-sfc-oam-01
  - No update
- draft-zhang-mpls-lspdb-yang-00
  - Moved to TEAS
- [draft-zheng-mpls-lsp-ping-yang-cfg-00](#)





# Liaisons to/from MPLS

MPLS-TP work in ITU-T SG15” and ”Amendment 1” (below)

- Target for SG15 meeting in June. Will be coordinated with other IETF Working Groups.

- Incoming

- 2015-03-09 ITU-T SG 15

- LS on progress of work on draft Amendment 1 to Recommendation ITU-T G.8131/Y.1382 (2014)

- 2014-12-19 ITU-T SG 15

- LS on update to MPLS-TP work in ITU-T SG15

- 2014-12-19 ITU-T SG 15

- LS on ITU-T SG15 OTNT standardization work plan to mpls