

IETF 100 – Singapore
November 2017



MPLS Working Group

MPLS Session:

Tuesday, November 14, 2017 - 13:30-15:30 Afternoon session I

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I E T F

Administrative

- Audio Streaming/Recording
 - Please speak only using the microphones
 - Please state your name before speaking
- Data tracker: <http://datatracker.ietf.org/wg/mpls/>
- Minute takers & Etherpad
 - <http://tools.ietf.org/wg/mpls/minutes>
- Meet Echo:
 - <http://ietf100.conf.meetecho.com/>
- Online Agenda and Slides at:
<https://datatracker.ietf.org/meeting/100/materials/>

Agenda Bashing – Admin

- Agenda (<https://datatracker.ietf.org/meeting/100/agenda/mpls>):

Tuesday, July 18, 2017 (CEST) - 13:30-15:30 Afternoon session I			
No.	I-D	Version	Presenter
1	Agenda bashing, WG status reports	-	Chairs
2	draft-mpls-spring-entropy-label	7	Stephane Litkowski
3	draft-bryant-mpls-unified-ip-sr	2	Stewart Bryant
4	draft-xu-mpls-unified-source- routing-instruction	4	Xiaohu
5	draft-mirsky-spring-bfd-02 draft-mirsky-bfd-mpls-demand-02 draft-mirsky-mpls-p2mp-bfd-02 draft-mirsky-mpls-bfd-bootstrap-clarify-00	2	Greg Mirsky
6	draft-farrel-mpls-sfc-02.txt	2	Adrian Farrel
7	draft-xu-mpls-service-chaining	3	Xiaohu Xu
8	MPLS YANG model status update	-	TBD
9	draft-ietf-mpls-ldp-yang-02	2	Kamran Raza
10	draft-hegde-spring-traffic-accounting-for-sr-paths	1	Adrian and/or Shraddha

Agenda Bashing - Admin

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

WG Status (Errata)

Since Last Meeting

Status: **Reported** (4)

RFC Number (Errata ID)	Section	Type	Source of RFC	Submitted By	Date Submitted
RFC7307 (5145)	4.3.2	Editorial	mpls (rtg)	Sandra Murphy	2017-10-05
RFC7307 (5146)	4.3.3	Editorial	mpls (rtg)	Sandra Murphy	2017-10-05
RFC8029 (5102)	3.2.5	Editorial	mpls (rtg)	Alexander Okonnikov	2017-08-30
RFC8029 (5103)	3.2.6	Editorial	mpls (rtg)	Alexander Okonnikov	2017-08-30

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LDP and MD5

- **LDP uses MD5**
- **Today MD5 is effectively deprecated**
- **Discussed in PALS yesterday, since the last LDP draft going IESG review came from PALS**
- **The chairs for the two working groups has taken an initiative to write a draft describing what will be mandatory to implement in the future.**
- **The has been socialized on the mailing and with the SEC ADs**

WG Status (Liaisons)

- **Liaisons** (since last meeting) – from MPLS:

None.

Working Group Status

Since IETF99

**** Document Status Since IETF-99 in Prague (2017-07-16)**

***** New RFCs**

- RFC8223 - Application-Aware Targeted LDP
- RFC8227 - MPLS-TP Shared-Ring Protection (MSRP) Mechanism for Ring Topology
- RFC8234 - Updates to MPLS Transport Profile (MPLS-TP) Linear Protection in Automatic Protection Switching (APS) Mode
- RFC8256 - Requirements for Hitless MPLS Path Segment Monitoring
- RFC8277 - Using BGP to Bind MPLS Labels to Address Prefixes

Working Group Status

Since IETF99

***** Docs in IESG**

- draft-ietf-mpls-flow-ident
- draft-ietf-mpls-ldp-mrt
- draft-ietf-mpls-spring-lsp-ping

***** New WG Docs**

- draft-ietf-mpls-rfc6374-sfl
- draft-ietf-mpls-sfl-framework
- draft-ietf-mpls-summary-frr-rsvpte

Working Group Status

Since IETF99

*** Updated WG Docs

- [draft-ietf-mpls-ldp-yang](#)
- draft-ietf-mpls-mldp-mib
- [draft-ietf-mpls-mldp-yang](#)
- draft-ietf-mpls-ri-rsvp-frr
- [draft-ietf-mpls-spring-entropy-label](#)

*** Existing WG Docs

- draft-ietf-mpls-base-yang
- draft-ietf-mpls-bfd-directed
- draft-ietf-mpls-lsp-ping-lag-multipath
- draft-ietf-mpls-rmr
- draft-ietf-mpls-static-yang
- draft-ietf-mpls-flow-ident
- draft-ietf-mpls-ldp-mrt
- draft-ietf-mpls-rfc6374-sfl
- draft-ietf-mpls-sfl-framework
- draft-ietf-mpls-spring-lsp-ping
- draft-ietf-mpls-summary-frr-rsvpte

Working Group Status

Since IETF99

*** New Individual Docs

- [draft-mirsky-mpls-bfd-bootstrap-clarify](#)

*** Updated Individual Docs

- draft-bryant-mpls-sfl-control
- [draft-bryant-mpls-unified-ip-sr](#)
- draft-deshmukh-mpls-rsvp-rmr-extension
- draft-esale-mpls-ldp-rmr-extensions
- [draft-farrel-mpls-sfc](#)
- [draft-mirsky-bfd-mpls-demand](#) *
- [draft-mirsky-mpls-p2mp-bfd](#)
- draft-shen-mpls-egress-protection-framework
- draft-sitaraman-mpls-rsvp-shared-labels
- [draft-xu-mpls-unified-source-routing-instruction](#)
- draft-zhang-mpls-tp-yang-oam
- draft-zheng-mpls-lsp-ping-yang-cfg

Working Group Status

Since IETF99

*** Existing Individual Docs

- draft-chenpeng-mpls-ldp-ext
- draft-kaliraj-bess-bgp-sig-private-mpls-labels
- draft-sboyapati-mpls-rsvp-label-reusage
- draft-xu-mpls-payload-protocol-identifier
- **draft-xu-mpls-service-chaining**

I-D Progress Update(s)

I-D: <draft-ietf-mpls-rmr-05>

- Current status (revision -05)

- *Outstanding issues:*

- how should the RMR document deal with "half-rings"
 - *not deal with it*
 - create a PW to complete the ring
 - instead of creating N LSPs, only create LSPs from A to B and from B to A
 - how should the RMR document deal with protecting hub nodes?
 - *not deal with it*
 - *use technology akin to PIC edge*

- *Next steps:*

- *Authors feel it is important to address both these issues and soliciting responses*
 - *Authors like to move to last call on the RMR document after closing*

I-D Progress Update(s)

I-D: <**draft-ietf-mpls-summary-frr-rsvp-te-00**>

- Current status (revision - 00)
 - Recently adopted as MPLS WG document
- *Next steps:*
 - *Address outstanding comments, and*
 - *Request early code point allocation*
 - *We know of intended implementations*

I-D Progress Update(s)

I-D: <**draft-ietf-mpls-static-yang** and **draft-ietf-mpls-base-yang**>

- Current status
 - Work is in-progress on outstanding modelling
 - Multi-vendor team mostly concentrated on other modeling activities
- *Next steps:*
 - *Complete the outstanding work*
 - *Solicit comments and feedback*

Progress Reports

- **Six** missing progress reports for existing WG documents
- Reminder to send progress report updates for WG documents that are not presented in WG session