



IETF 95 - Buenos Aires
April 2016

MPLS Working Group

IETF 95 – Buenos Aires

17:40-19:00 Tuesday April 5, 2016 - Afternoon session III
(TEAS/MPLS/PCE/CCAMP JOINT session)

10:00-12:30 Wednesday April 6, 2016 - Morning session I (MPLS)

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 3979](#) (updated by [RFC 4879](#)).

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 3979](#) 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.

Agenda Bashing – Admin

Wednesday Session

- Agenda (<https://datatracker.ietf.org/meeting/95/agenda/mpls>):
Wednesday Session

I-D	Presenter
Agenda bashing, WG status reports	Chairs
draft-shen-mpls-egress-protection-framework	Jeffrey (Zhaohui) Zhang
draft-ietf-mpls-tp-shared-ring-protection	Liang Geng
draft-ijln-mpls-rfc5036bis	Nic Leyman
ietf-mpls-rfc4379bis	Carlos + Kireeti
draft-rosen-mpls-rfc3107bis	Ross Callon
draft-mtaillon-mpls-summary-frr-rsvpte	Tarek Saad
ietf-mpls-rmr	Kireeti Kompella
draft-turaga-mpls-test-labels	Partha turaga
draft-chandra-mpls-ri-rsvp-frr	Vishnu Pavan Beeram

Agenda Bashing - Admin

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

WG Status

Stats since IETF94

- New RFCs count: 6 RFCs
- IESG processing: 2 I-Ds

WG Status (Errata)

- **Errata** (since last meeting)

Status: Verified (1)

RFC Number (Errata ID) Submitted	Section	Type	Source of RFC	Submitted By	Date
RFC7439 (4595)	3.5 Editorial	mpls (rtg)	Adrian Farrel	2016-01-15	

Status: Held for Document Update (2)

RFC Number (Errata ID) Submitted	Section	Type	Source of RFC	Submitted By	Date
RFC3107 (4582)	GLOBAL	Technical	mpls (rtg)	David Lamparter	2016-01-06
RFC7697 (4586)	9.1	Editorial	mpls (rtg)	Venkatesan Mahalingam	

WG Status (Liaisons)

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

Liaison statement

MPLS-TP status in the IETF

Posted Date **2016-02-11**

From Contact **To Group**

[Scott Mansfield](#) ITU-T-SG-15

To Contacts

hiroshi.ota@itu.int

Liaisons referred by this one

[SG15 OTNT Standardization Work Plan](#)

Body

Thanks for your liaison indicating the final approval of the ITU-T MPLS-TP Recommendations. This marks a step in the joint MPLS-TP project. The IETF has published 45 MPLS-TP RFC's from 7 working groups and independent work streams. The IETF has 11 active Internet Drafts related to MPLS-TP. We are looking forward to your support completing the MPLS-TP project.

WG Status (Liaisons)

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

Date	From	To	Deadline	Title
2016-03-08	ITU-T-SG-15	mpls	2016-05-16	LS on work on MPLS-TP protection (Response is underway)
2016-03-08	ITU-T-SG-15	ccamp, mpls, pce	2016-08-31	LS on ITU-T SG15 OTNT standardization work plan
2016-02-26	MEF	ippm, l3sm, mpls, OPS		Liaison from MEF on IP Service Attributes
2015-11-02	ITU-T-SG-15	mpls	2015-12-15	LS on intent to initiate approval process for MPLS-TP Recommendations



Document Status

- **19 WG Active drafts:**

Active:	Status
draft-ietf-mpls-app-aware-tldp	Next Step: WGLC
draft-ietf-mpls-bfd-directed	WGLC no consensus reached
draft-ietf-mpls-entropy-lsp-ping	Status: AD/Deborah requested number of authors reduced. New rev to be uploaded after flood gate. WG LC req
draft-ietf-mpls-flow-ident	Active
draft-ietf-mpls-ldp-mrt	Expired
draft-ietf-mpls-mlbp-mib	Active
draft-ietf-mpls-opportunistic-encrypt	Active
draft-ietf-mpls-residence-time	Active
draft-ietf-mpls-rfc4379bis	To be presented at IETF95
draft-ietf-mpls-rmr	To be presented at IETF95
draft-ietf-mpls-spring-entropy-label	Active
draft-ietf-mpls-tp-aps-updates	Active
draft-ietf-mpls-tp-linear-protection-mib	In WGLC



Document Status

- **19 WG Active drafts:**

Active:	Status
draft-ietf-mpls-tp-mfp-use-case-and-requirements	Active
draft-ietf-mpls-tp-shared-ring-protection	Active



Document Status

- **19 WG Active drafts**

in IESG Processing:

Active:	Status
draft-ietf-mpls-rfc6374-udp-return-path	IESG Evaluation::Revised I-D Needed
draft-ietf-mpls-tp-temporal-hitless-psm	AD review



Document Status

- **Non-WG documents:**

Active:	Status
draft-bryant-mpls-sfl-framework-00 Synonymous Flow Label Framework	
draft-chandra-mpls-ri-rsvp-frr-02 Refresh Interval Independent FRR Facility Protection	To be presented at IETF95
draft-esale-mpls-ldp-node-frr-02 Fast Reroute for Node Protection in LDP-based LSPs	
draft-fang-mpls-hsdcn-for-hsdc-05 MPLS-Based Hierarchical SDN for Hyper-Scale DC/Cloud	
draft-fang-mpls-label-forwarding-no-swap-02 MPLS Label Forwarding with No Swapping	
draft-ijln-mpls-rfc5036bis-01 LDP Specification	To be presented at IETF95
draft-kompella-mpls-larp-05 Label Distribution Using ARP	
draft-kumarkini-mpls-spring-lsp-ping-06 Label Switched Path (LSP) Ping/Trace for Segment Routing Networks Using MPLS Dataplane	
draft-li-mpls-global-label-usecases-03 Usecases of MPLS Global Label	



Document Status

- **Non-WG documents:**

Active:	Status
draft-mtaillon-mpls-summary-frr-rsvp-te-04 RSVP-TE Summary Fast Reroute Extensions for LSP Tunnels	To be presented at IETF95
draft-openconfig-mpls-consolidated-model-02 MPLS / TE Model for Service Provider Networks	
draft-raszuk-mpls-domain-wide-labels-05 MPLS Domain Wide Labels	
draft-raza-mpls-ldp-mldp-yang-03 YANG Data Model for MPLS LDP and mLDP	To be presented at IETF95 (Tuesday JOINT session)
draft-rosen-mpls-rfc3107bis-00 Using BGP to Bind MPLS Labels to Address Prefixes	To be presented at IETF95
draft-ryoo-mpls-tp-aps-updates-03 Updates to MPLS Transport Profile (MPLS-TP) Linear Protection in Automatic Protection Switching (APS) Mode	
draft-saad-mpls-lsp-instant-install-rsvp-te-00 Extensions to RSVP-TE for LSP Instant Install	
draft-saad-mpls-static-yang-02 A YANG Data Model for MPLS Base and Static LSPs	To be presented at IETF95 (Tuesday JOINT session)



Document Status

- **Non-WG documents:**

Active:	Status
draft-shen-mpls-egress-protection-framework-01 MPLS Egress Protection Framework	To be presented at IETF95
draft-turaga-mpls-test-labels-00 MPLS Test Labels	To be presented at IETF95
draft-vainshtein-mpls-gal-tc-ttl-handling-03 Handling the TC and TTL fields in a Label Stack Entry that Contains the Generic Associated Channel Label	Expired/Dead
draft-zhang-mpls-tp-yang-oam-02 YANG Data Model for MPLS-TP Operations, Administration, and Maintenance (OAM)	New version posted
draft-zheng-mpls-lsp-ping-yang-cfg-03 Yang Data Model for LSP-PING	To be presented at IETF95 (Tuesday JOINT session)

Progress Update

<draft-ietf-mpls-opportunistic-encrypt>

- Current status:
 - Just posted "keep alive" revision.
 - Work paused pending implementation(s)
- Open issues:
 - Can the proposed solution be implemented using existing hardware?
 - This is our intention but needs to be verified.
 - Is there sufficient interest from operators?
 - There is some "interest" but not yet high enthusiasm.
 - Is integer Diffie-Hellman adequate or should we upgrade to elliptic curve? If we upgrade, which curves do we use?
- Will probably prototype using integer, but final choice may need discussion with operators.
- Next steps:
 - Implement!

Progress Update

<draft-ietf-mpls-tp-linear-protection-mib-07>

- Current status:
 - Adopted as a WG document in March 19, 2016
 - WG Last Call started on March 18, 2016
- Open issues:
 - None at this time
- Next steps:
 - Comment resolution after WG LC (April 5, 2016)