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# MPLS Working Group

## IETF 94 – Yokohama

09:00-11:30 Wednesday November 4, 2015

17:40-18:40 - Thursday November 5, 2015 (Joint with TEAS)

# Yokohama re-visited

- We were here in May 2002 (differences / similarities)
  - Only one mpls wg chair at the meeting
    - Deprecation of CR-LDP
    - OAM Label for ITU-T
    - Chairs bugging authors to update drafts
  - Mailing list still with UU-net
  - Almost no Data-tracker
    - Thanks to Robert, Henrik and team for making life easier
- Excellent WiFi – thanks to the WIDE project

# Agenda Bashing – Admin

## Wednesday Session

- Agenda (<http://www.ietf.org/proceedings/94/agenda/agenda-94-mpls>): **Wednesday Session**

<b>I-D</b>	<b>Presenter</b>
Agenda bashing, WG status reports	WG Chairs
draft-chandra-mpls-ri-rsvp-frr	Chandra Ramachandran
draft-ryoo-mpls-tp-aps-updates	Jeong-dong Ryoo
draft-ietf-mpls-app-aware-tldp	Santosh Esale
draft-esale-mpls-ldp-node-frr	Santosh Esale
draft-saad-lsp-instant-install-rsvpte	Tarek Saad
draft-smack-mpls-rfc4379bis-07 (standards)	Deborah Brungard
draft-smack-mpls-rfc4379bis-07 (problem description)	Carlos Pignataro
draft-smack-mpls-rfc4379bis-07 (next-steps)	Mach Chen
draft-kompella-mpls-rmr	Kireeti Kompella
draft-kompella-mpls-larp	Kireeti Kompella
draft-fang-mpls-label-forwarding-no-swap	Luyuan Fang
draft-fang-mpls-hsdc-for-hsdc	Luyuan Fang
draft-li-mpls-global-label-usecases-03	Zhenbin Li

# Agenda Bashing – Admin

## Thursday Session (Joint with TEAS)

- Agenda (<http://www.ietf.org/proceedings/94/agenda/agenda-94-mpls>): **Thursday Session**

<b>I-D</b>	<b>Presenter</b>
draft-saad-mpls-static-yang	Kamran Raza
draft-raza-mpls-ldp-mldp-yang	Kamran Raza
draft-ietf-teas-yang-rsvp	
draft-ietf-teas-yang-te	Tarek Saad
draft-ietf-teas-yang-te-topo	Xufeng Liu

# Agenda Bashing - Admin

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

# WG Status

Stats since IETF93

- New RFC count: 0
- RFC Edit Queue: 4 I-Ds
- IESG processing: 7 I-Ds

# WG Status

- **Errata** (since last meeting)

Status: **Reported** (6)

<b>RFC(Errata ID)</b>	<b>Section</b>	<b>Type</b>	<b>Source of RFC</b>	<b>Submitted By</b>	<b>Date Submitted</b>
RFC3107(4497)	2	Technical	mpls (rtg)	Alexander Okonnikov	2015-10-13
RFC3107(4498)	3	Technical	mpls (rtg)	Alexander Okonnikov	2015-10-13
RFC3107(4499)	3	Technical	mpls (rtg)	Alexander Okonnikov	2015-10-13
RFC3107(4500)	5	Technical	mpls (rtg)	Alexander Okonnikov	2015-10-13
RFC5036(4465)	3.5.3	Technical	mpls (rtg)	Guijuan Wang	2015-09-05
RFC5036(4512)	2.5.2	Technical	mpls (rtg)	Giessie	2015-10-26



# WG Status

## • 17 WG drafts:

### Document (Active Internet-Drafts)

[draft-ietf-mpls-app-aware-tldp-01](#)  
Application-aware Targeted LDP

[draft-ietf-mpls-bfd-directed-01](#)  
Bidirectional Forwarding Detection (BFD) Directed Return Path

[draft-ietf-mpls-entropy-lsp-ping-01](#)  
Label Switched Path (LSP) and Pseudowire (PW) Ping/Trace over MPLS Network using Entropy Labels (EL)

[draft-ietf-mpls-ldp-mrt-02](#)  
LDP Extensions to Support Maximally Redundant Trees

[draft-ietf-mpls-lsp-ping-lag-multipath-01](#)  
Label Switched Path (LSP) Ping/Trace Multipath Support for Link Aggregation Group (LAG) Interfaces

[draft-ietf-mpls-lsp-ping-mpls-tp-oam-conf-14](#)  
Configuration of Proactive Operations, Administration, and Maintenance (OAM) Functions for MPLS-based Transport Networks using LSP Ping

[draft-ietf-mpls-lsp-ping-relay-reply-11](#)  
Relayed Echo Reply mechanism for LSP Ping  
Publication: Proposed Standard

### Status

I-D Exists  
WG Document: Proposed Standard

I-D Exists  
WG Document: Proposed Standard

I-D Exists  
WG Document: Proposed Standard

I-D Exists  
WG Document: Proposed Standard

I-D Exists  
WG Document: Proposed Standard

IESG Evaluation  
IESG telechat: 2015-11-19  
Submitted to IESG for Pub.  
Proposed Standard

RFC Ed Queue  
Submitted to IESG for

# WG Status

## • 17 WG drafts:

### Document (Active Internet-Drafts)

draft-ietf-mpls-lsp-ping-reply-mode-simple-05  
Label Switched Path (LSP) Ping/Traceroute Reply Mode  
Simplification

draft-ietf-mpls-mldp-node-protection-08  
mLDP Node Protection

draft-ietf-mpls-opportunistic-encrypt-00  
Opportunistic Security in MPLS Networks

draft-ietf-mpls-residence-time-00  
Residence Time Measurement in MPLS network

draft-ietf-mpls-rfc6374-udp-return-path-04  
RFC6374 UDP Return Path  
Publication: Proposed Standard

draft-ietf-mpls-self-ping-05  
LSP Self-Ping

draft-ietf-mpls-spring-entropy-label-01  
Entropy labels for source routed stacked tunnels

### Status

RFC Ed Queue  
Submitted to IESG for  
Publication: Proposed Standard

RFC Ed Queue : EDIT for 28days  
Submitted to IESG

I-D Exists  
WG Document: Experimental

I-D Exists  
WG Document: Proposed Standard

AD Evaluation  
Submitted to IESG for

Approved

I-D Exists  
WG Document



# WG Status

- **17 WG drafts**

**Document (Active Internet-Drafts)**

draft-ietf-mpls-tp-temporal-hitless-psm-07  
Enhanced path segment monitoring

draft-ietf-mpls-rmr-00  
Resilient MPLS Rings

**Status**

I-D Exists  
In WG Last Call: Informational

I-D Exists  
Adopted by WG

# WG Status

## • non-WG drafts

### Related Internet-Drafts

draft-bryant-mpls-flow-ident-02  
MPLS Flow Identification

### Status

I-D Exists

draft-bryant-mpls-rfc6374-sfl-00  
RFC6374 Synonymous Flow Labels

I-D Exists

draft-bryant-mpls-sfl-framework-00  
Synonymous Flow Label Framework

I-D Exists

[draft-chandra-mpls-ri-rsvp-frr-02](#)  
[Refresh Interval Independent FRR Facility Protection](#)

[I-D Exists](#)

draft-cui-mpls-tp-mfp-use-case-and-requirements-05  
Use Cases and Requirements for MPLS-TP multi-failure  
protection Candidate for WG Adoption

I-D Exists

draft-dai-mpls-rsvp-te-mbb-label-reuse-01  
MPLS RSVP-TE MBB Label Reuse

I-D Exists

[draft-esale-mpls-ldp-node-frr-01](#)  
[Fast Reroute for Node Protection in LDP-based LSPs](#)

[I-D Exists](#)

[draft-fang-mpls-hsdn-for-hsdc-04](#)  
[MPLS-Based Hierarchical SDN for Hyper-Scale DC/Cloud](#)

[I-D Exists](#)

[draft-fang-mpls-label-forwarding-no-swap-01](#)  
[MPLS Label Forwarding with No Swapping](#)

[I-D Exists](#)

[draft-kompella-mpls-larp-04](#)  
[Label Distribution Using ARP](#)

[I-D Exists](#)  
[Candidate for WG Adoption](#)

# WG Status

## • non-WG drafts

### Related Internet-Drafts

draft-kumarkini-mpls-spring-lsp-ping-04  
Label Switched Path (LSP) Ping/Trace for Segment  
Routing Networks Using MPLS Dataplane

### Status

I-D Exists  
Candidate for WG Adoption

draft-li-mpls-global-label-usecases-03  
Usecases of MPLS Global Label

I-D Exists

draft-mtaillon-mpls-summary-frr-rsvpte-02  
RSVP-TE Summary Fast Reroute Extensions for LSP Tunnels

I-D Exists

draft-openconfig-mpls-consolidated-model-02  
MPLS / TE Model for Service Provider Networks

I-D Exists

draft-raszuk-mpls-domain-wide-labels-04  
MPLS Domain Wide Labels

I-D Exists

draft-raza-mpls-ldp-mldp-yang-02  
YANG Data Model for MPLS LDP and mLDP

I-D Exists

draft-ryoo-mpls-tp-aps-updates-01  
Updates to MPLS Transport Profile (MPLS-TP) Linear  
Protection in Automatic Protection Switching (APS) Mode

I-D Exists

draft-saad-mpls-lsp-instant-install-rsvpte-00  
Extensions to RSVP-TE for LSP Instant Install

I-D Exists

draft-saad-mpls-static-yang-00  
A YANG Data Model for MPLS Base and Static LSPs

I-D Exists

draft-smack-mpls-rfc4379bis-07  
Detecting Multi-Protocol Label Switched (MPLS) Data  
Plane Failures

I-D Exists  
Candidate for WG Adoption

# WG Status

## • non-WG drafts

### Related Internet-Drafts

draft-tiruveedhula-mpls-mldp-mib-05  
Definitions of Managed Objects for the LDP Point-to-Multipoint and Multipoint-to-Multipoint Label Switched Paths

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

draft-zhang-mpls-tp-yang-oam-01  
YANG Data Model for MPLS-TP Operations, Administration, and Maintenance (OAM)

draft-zheng-mpls-lsp-ping-yang-cfg-01  
Yang Data Model for LSP-PING

draft-zzhang-mpls-icmp-bier-01  
MPLS ICMP for BIER Payload

draft-ietf-mpls-tp-linear-protection-mib-05  
MPLS Transport Profile Linear Protection MIB

### Status

I-D Exists

In WG Adoption poll

I-D Exists

Candidate for WG Adoption

I-D Exists

I-D Exists

I-D Exists

I-D Exists WG Document

# WG Status Progress Reports

# Progress Report

## draft-mtaillon-mpls-summary-frr-rsvp-02

### Current Status:

- ver -01 reviewed by Loa Andersson
  - Comments were addressed in ver -02
- ver -02 reviewed by:
  - MPLS RT (Eric Osborne, Mach Chen, Greg Mirsky): received comments will all be addressed in ver -03
  - Lou Berger: received comments will all be addressed in ver -03

Open Issues: none.

Next Steps: publish ver -03 and ask for WG adoption



# IPR's in future polls (if there are IPR disclosures)

The document shepherd and working group chairs are frequently asked about the working group discussions related to any IPR disclosures.

We like to remind the working group that discussion on the content and validity of an IPR disclosure should not take place on the MPLS wg list or any IETF mailing lists.

However we are looking for simple statements whether you think the working group should continue progress the document, regardless of an existing IPR disclosure. Please include this information in your 'support/do not support' when responding to working group adoption calls and last calls.

# IPR's in future polls

There are two IPR disclosures against this document. All the authors and contributors have stated on the working group mailing list that they are not aware of any other IPRs that relates to this draft.

We are looking for simple statements whether you think the working group should continue progress the document, regardless of the existing IPR disclosure. Please include this information in your 'support/do not support' when responding to the [working group adoption call and working group last call].