

# IETF 115 MPLS WG Status Update

IETF 115 (London & Online) – November 2022

## **WG Chairs:**

Tarek Saad

Loa Andersson

Nic Leymann

## **Secretary :**

Mach Chen

**This session is being recorded**

# Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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- By participating in the IETF, you agree to follow IETF processes and policies.
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- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)



# Administrative

- **Blue Sheet**
  - Blue sheets will be automatically generated when you login into the Meetecho
- **Jabber:**
  - xmpp:[mpls@jabber.ietf.org?join](xmpp:mpls@jabber.ietf.org?join)
- **Minutes Taking:**
  - <https://notes.ietf.org/notes-ietf-115-mpls>
- **MPLS Session Agenda at:**
  - <https://datatracker.ietf.org/doc/agenda-115-mpls>
- **Materials/Slides at:**
  - <https://datatracker.ietf.org/meeting/115/session/mpls>
- **Data tracker:**
  - <http://datatracker.ietf.org/wg/mpls>
- **MPLS WG Wiki:**
  - <https://trac.ietf.org/trac/mpls/wiki>
- **MPLS WG Github:**
  - <https://github.com/ietf-wg-mpls/drafts>

# Agenda Bashing (1/2)

## 1. Chairs Intro (Agenda Bashing) - 16:30

- Duration: 10 mins
- WG Chairs

## 2. MPLS WG Wiki Migration - 16:40

- Duration: 10 mins
- Presenter: Tarek

## 3. A YANG Model for MPLS MSD - 16:50

- ID: <https://datatracker.ietf.org/doc/draft-ietf-mpls-msd-yang-00>
- Duration: 10 mins
- Presenter: Yingzhen Qu

## 4. Simple Two-way Active Measurement Protocol (STAMP) for MPLS Label Switched Paths (LSPs) - 17:00

- ID: <https://datatracker.ietf.org/doc/draft-mirsky-mpls-stamp-01>
- Duration: 10 mins
- Presenter: Greg Mirsky

# Agenda Bashing(2/2)

## 5. Simple LSP Ping/Traceroute for Enabled In-situ OAM Capabilities - Start Time: 17:10

- ID: <https://datatracker.ietf.org/doc/draft-xiao-mpls-lsp-ping-ioam-conf-state-00>
- Duration: 10 mins
- Presenter: Xiao Min

# WG Status (Errata, 1/1)

[Technical Errata Reported][7059], reported by: Jan Lindblad

RFC8960, Section: 2.5

✓ Original Text

```
augment "/rt:routing/rt:ribs/rt:rib/rt:routes/rt:route/"
  + "rt:next-hop/rt:next-hop-options/rt:simple-next-hop" {
  description
    "Augments the 'simple-next-hop' case in IP unicast routes.";
  uses nhlfe-single-contents {
    when "/rt:routing/rt:ribs/rt:rib/rt:routes/rt:route"
      + "/mpls:mpls-enabled = 'true'";
```

✓ Corrected Text

```
augment "/rt:routing/rt:ribs/rt:rib/rt:routes/rt:route/"
  + "rt:next-hop/rt:next-hop-options/rt:simple-next-hop" {
  description
    "Augments the 'simple-next-hop' case in IP unicast
  uses nhlfe-single-contents {
    when "../..../mpls:mpls-enabled = 'true'";
  }
```

Notes □ The corrected YANG statements make the "uses" statement only apply to the specific route instances that have mpls:mpls-enabled set to true.

Errata 7060, reports the same issue as Errata 7059, duplicate ?

# WG Status (Liaisons)

- **Liaisons** (since last meeting) – from MPLS:
  - **None.**
- **Liaisons** (since last meeting) – **to MPLS**:

Date	From	To	Deadline	Title
2022-10-19	ITU-T-SG-15	ccamp, mpls, pals, pce, teas	2023-04-23	<a href="#">LS on OTNT Standardization Work Plan Issue 31</a>

Action needed

# Document Status

## (Since IETF114)

- **\*\*\* New RFCs**
  - None
- **\*\*\* Docs in RFC Ed**
  - draft-ietf-mpls-rfc6374-sfl-10 ([MISSREF](#)) Waiting on I-D.draft-ietf-mpls-sfl-control
- **\*\*\* Docs in IESG**
  - draft-ietf-mpls-sfl-control-03
- **\*\*\* New WG Docs**
  - [draft-ietf-mpls-mpls-msd-yang-00](#)





# Document Status (Since IETF114)

- **\*\*\* Updated WG Docs**

- draft-ietf-mpls-egress-tlv-for-nil-fec-05 (*early code allocation extended*)
- draft-ietf-mpls-mna-fwk-01
- draft-ietf-mpls-mna-requirements-04
- draft-ietf-mpls-mldp-multi-topology-01
- draft-ietf-mpls-p2mp-bfd-02
- draft-ietf-mpls-rfc6374-sr-06 (*authors report draft stable and ready for WGLC*)
- draft-ietf-mpls-sr-epe-oam-06 (*candidate for WGLC*)
- draft-ietf-mpls-bfd-directed-20 (*draft updated to Status 'experimental'*)

- draft-ietf-mpls-spring-inter-domain-oam-03
- draft-ietf-mpls-mna-usecases-01

- **\*\*\* Alive WG Docs without Update**

- draft-ietf-mpls-inband-pm-encapsulation-03
- draft-ietf-mpls-ri-rsvp-frr-13 (*authors report ready for WGLC*)

- **\*\*\* Recently Expired**

- draft-ietf-mpls-static-yang-13
- draft-ietf-mpls-mldp-yang-10



# Document Status

## (Since IETF114)

- **\*\*\* New Individual Docs**
  - draft-andersson-mpls-mna-operation-architecture-00
  - draft-andersson-mpls-mna-operation-architecture-00
  - draft-dong-mpls-mna-encaps-00
  - draft-li-mpls-mna-entropy-00
  - [draft-mirsky-mpls-stamp-01](#)
  - draft-mb-mpls-ioam-dex-00
  - [draft-xiao-mpls-lsp-ping-ioam-conf-state-00](#)



# Document Status

## (Since IETF114)

- **Alive Individual Docs**
  - draft-bryant-mpls-aux-data-pointer-01
  - draft-bryant-mpls-dev-primer-02
  - draft-decraene-mpls-slid-encoded-entropy-label-id-04
  - [draft-gandhi-mpls-ioam-07](#) **(Joint Session)**
  - draft-gandhi-mpls-stamp-pw-02
  - draft-han-mpls-sdi-sr-03
  - [draft-jags-mpls-mna-hdr-02](#) **(Joint Session)**
  - draft-kbbma-mpls-1stnibble-02
  - draft-kompella-mpls-mspl4fa-03
  - draft-kompella-mpls-nffrr-03
  - draft-li-mpls-enhanced-vpn-vtn-id-03
  - draft-li-mpls-entropy-01



# Document Status

## (Since IETF114)

- **Alive Individual Docs**
  - draft-li-mpls-gip6-mpls-00
  - draft-liu-mpls-lsp-ping-nrp-00
  - draft-liu-mpls-nas-combination-00
  - draft-lm-mpls-sfc-path-verification-03
  - draft-nainar-mpls-lsp-ping-yang-03
  - draft-song-mpls-eh-indicator-05
  - [draft-song-mpls-extension-header-11](#) *(Joint Session)*
  - draft-xp-mpls-spring-lsp-ping-path-sid-04



# MPLS Open DT Activities - Next Steps

- Need for further discussion and consensus on how non-IP payloads will be carried over an MNA enabled LSP
- May need to visit recurrence and frequency of MPLS Open DT meetings