

# MPLS WG Status Update

IETF 121 (Dublin & Online) – Nov. 2024

## **WG Chairs:**

Tarek Saad

Nic Leymann

Tony Li

## **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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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
- **Zulip:**
  - <https://zulip.ietf.org/#narrow/stream/121-mpls>
- **Minutes Taking:**
  - <https://codimd.ietf.org/notes-ietf-121-mpls>
- **MPLS Session Agenda at:**
  - <https://datatracker.ietf.org/doc/agenda-121-mpls>
- **Materials/Slides at:**
  - <https://datatracker.ietf.org/meeting/121/session/mpls>
- **Datatracker:**
  - <http://datatracker.ietf.org/wg/mpls>
- **MPLS WG Wiki:**
  - <https://wiki.ietf.org/group/mpls>
- **MPLS WG Github:**
  - <https://github.com/ietf-wg-mpls/drafts>

# Agenda Bashing ( 1/2 )

## 1. **WG Status Update (Agenda Bashing) - 13:00**

- Duration: 10 mins
- Presenter: WG Chairs

## 2. **Stateless MNA-based Egress Protection (SMEP) - 13:10**

- ID: <https://datatracker.ietf.org/doc/draft-ihle-mpls-mna-stateless-egress-protection-00>
- Duration: 15 mins
- Presenter: Fabian Ihle

## 3. **Update on MNA Implementation Experience in P4 - 13:25**

- Duration: 20 mins
- Presenter: Fabian Ihle

## 4. **Performance Measurement Using Simple Two-Way Active Measurement Protocol (STAMP) for Segment Routing Networks - 13:45**

- ID: <https://datatracker.ietf.org/doc/draft-ietf-spring-stamp-srpm-16>
- Duration: 10 mins
- Presenter: Rakesh Gandhi

# Agenda Bashing(2/2)

## 5. Label Switched Path (LSP) Ping for Segment Routing (SR) Path Segment Identifier with MPLS Data Planes - 13:55

- ID: <https://datatracker.ietf.org/doc/draft-ietf-mpls-spring-lsp-ping-path-sid-02>
- Duration: 5 mins
- Presenter: Xiao Min

## 6. Deterministic Networking specific MNA - 14:00

- ID: <https://datatracker.ietf.org/doc/draft-varmir-mpls-detnet-mna-00>
- Duration: 15 mins
- Presenter: Greg Mirsky

# WG Status (Errata, 1/1) (Since IETF120)

- None

# WG Status (Liaisons) (Since IETF119)

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

# Document Status (Since IETF120)

- **\*\*\* New RFCs**

- RFC 9512 (Requirements for Solutions that Support MPLS Network Actions (MNAs))
- RFC 9513 (Bidirectional Forwarding Detection (BFD) Reverse Path for MPLS Label Switched Paths (LSPs))





# Document Status

## (Since IETF120)

### ● \*\*\* Docs in RFC Ed

- draft-ietf-mpls-rfc6374-sr-17
- draft-ietf-mpls-mna-usecases-15
- draft-ietf-mpls-inband-pm-encapsulation-18
- draft-ietf-mpls-ri-rsvp-frr-22
- draft-ietf-mpls-sr-epe-oam-19
- draft-ietf-mpls-msd-yang-12
- draft-ietf-mpls-spring-inter-domain-oam-20
- draft-ietf-mpls-egress-tlv-for-nil-fec-15
- draft-ietf-mpls-mldp-multi-topology-09



# Document Status

## (Since IETF120)

- **\*\*\* Docs in IESG**

- draft-ietf-mpls-mna-fwk-11 (*Publication Requested*)
- draft-ietf-mpls-1stnibble-10 (*Publication Requested*)



# Document Status (Since IETF120)

- **\*\*\* New WG Docs**
  - None.



# Document Status

## (Since IETF120)

- **\*\*\* Updated WG Docs**
  - draft-ietf-mpls-mna-hdr-07 (*2nd WG LC failed*)
  - draft-ietf-mpls-p2mp-bfd-08 (*Rtmdir LC review done, WG LC will start soon*)
  - [draft-ietf-mpls-spring-lsp-ping-path-sid-02](#) (*In WG LC*)



# Document Status (Since IETF119)

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

- None.

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

- draft-ietf-mpls-mldp-yang-11
- draft-ietf-mpls-static-yang-14



# Document Status

## (Since IETF119)

- **\*\*\* New Individual Docs**
  - [draft-ihle-mpls-mna-stateless-egress-protection-00](#)
  - [draft-varmir-mpls-detnet-mna-00](#)
  - [draft-zhou-mpls-mna-flow-id-00](#)



# Document Status

## (Since IETF120)

### ● **Alive Individual Docs**

- draft-cx-mpls-mna-inband-pm-05
- draft-li-mpls-enhanced-vpn-vtn-id-04
- draft-lin-mpls-ldp-holdtimer-00
- draft-mb-mpls-ioam-dex-09 **(In WG AP)**
- draft-gandhi-mpls-stamp-pw-07
- draft-xiao-mpls-lsp-ping-ioam-conf-state-04
- draft-mirsky-mpls-stamp-09
- draft-li-mpls-mna-entropy-03 **(In WG AP)**
- draft-song-mpls-flag-based-opt-04
- draft-lin-mpls-ldp-holdtimer-02
- draft-nainar-mpls-lsp-ping-yang-06
- draft-sxg-mpls-mna-deterministic-latency-01
- draft-gandhi-mpls-mna-ioam-dex-01 **(In WG AP)**
- draft-jags-mpls-ps-mna-hdr-03
- draft-li-mpls-mna-nrp-selector-01
- draft-andersson-mpls-rfc8029-lsp-ping-naming-00

