

draft-villamizar-mpls-forwarding-01

MPLS Forwarding Compliance and Performance Requirements

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Note: 01 version is in MPLS-RT review.

Two reviewers need extra time. (big and dense document).

MPLS Forwarding - Behind the scenes

1. Most comments between 00 and 01 versions were off-list.
2. Ten 01-preview versions were sent off-list to anyone who commented on the 00 version.
3. As a result of a few people contributing text or very significant comments and suggestions, three co-authors were added.
4. Due to contributions and comments, the document scope expanded and the document got bigger from 00 to 01.
5. The 01 version is in MPLS-RT review.
6. The 02 version will reflect MPLS-RT comments.

MPLS Forwarding - Expanded Scope

Added to previous document scope:

1. Base pseudowire forwarding, including sequence number and control word, excluding specific AC and NSP and PW applications (ie: VPN).
2. Multipath including inspecting IP headers and TCP and UDP headers, but excluding other IP payloads, such as IP tunneling protocols.
3. DoS protection of MPLS control plane
4. MPLS, PW, and MPLS-TP OAM processing which may require fast-path support.

MPLS Forwarding - New sections since 00

- 2.1.1. MPLS Reserved Labels
- 2.1.2. MPLS Differentiated Services
- 2.1.3. Time Synchronization
- 2.1.7. MPLS Fast Reroute (FRR)
- 2.1.8. Pseudowire Encapsulation
- 2.1.9. Layer-2 and Layer-3 VPN
- 2.4.2. Large Microflows
- 2.4.5. Fields Used for Multipath
- 2.6. OAM and DoS Protection
- 2.7. Number and Size of Flows

PWE3 WG will need a heads-up before any form of advancement due to PW coverage. One co-author (Andy) is a PWE3 WG chair.

MPLS Forwarding - Moving Forward

- Please **Read the draft and comment on it on the MPLS WG mailing list**
- Two of four MPLS-RT reviews completed at the time of writing these slides.
- Now is a good time to ask questions if you have read the document.