

MPLS Open DT Activities – Status Update

Report # 5

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MPLS Open DT Overview

- Joint activity between three working groups MPLS, PALS and DETNET
 - The chairs from the three WGs coordinate agendas and decisions
- MPLS Open DT meetings:
 - weekly every Thursday (11:00 AM ET)
- MPLS Open DT chairs coordination meeting:
 - weekly every Tuesday (1:00PM ET)
- Participation
 - Around 15-20 participants per week
- Taxonomy of MNA documents:

<https://wiki.ietf.org/group/mpls/MNA-docs>

Updates to MPLS Open DT WG documents (since IETF115)

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- Use Cases for MPLS Network Action Indicators and MPLS Ancillary Data
 - ID: <https://datatracker.ietf.org/doc/html/draft-ietf-mpls-mna-usecases>
 - Status (current Rev -02):
 - WG adopted document
 - Addressed few comments received during from Open DT:
 - Removed reference to Application-aware Networking usecase
 - Added new section for interaction with “Existing MPLS Use cases”
 - WG and DT continue to refine existing and add new identified usecases
- Requirements for MPLS Network Action Indicators and MPLS Ancillary Data
 - ID: <https://datatracker.ietf.org/doc/draft-ietf-mpls-mna-requirements>
 - Status (current Rev -04):
 - Authors have reviewed the text in the light of the recent WG adoption polls for draft-jags and draft-song, but do not think any major changes are needed.
 - No outstanding issues, candidate for WGLC

Updates to MPLS Open DT WG documents (since IETF115) 2/2

- MPLS Network Actions Framework
 - ID: <https://datatracker.ietf.org/doc/html/draft-ietf-mpls-mna-fwk>
 - Status (current Rev -04):
 - Update to explicitly indicate that PSD is an option for a solution
 - No outstanding issues, candidate for WGLC

- MPLS Network Action (MNA) Sub-Stack Solution
 - ID: <https://datatracker.ietf.org/doc/html/draft-ietf-mpls-mna-hdr>
 - Status (current Rev -01)
 - Working on addressing comments receiving during adoption

Adoption Polls for New MNA Documents

- MPLS Network Action (MNA) Sub-Stack Solution
 - <https://datatracker.ietf.org/doc/html/draft-jags-mpls-mna-hdr>
 - Polled for adoption by the WG ~ 3weeks – allowed extension to disclosure of a new additional IPR
 - Received wide support for the WG and successfully adopted
 - Constrain the solution described in this document to MNA ISD – Remove references of MNA PSD as out of scope (to be discussed in other documents)
- MPLS Network Actions using Post-Stack Extension Headers
 - ID: <https://datatracker.ietf.org/doc/draft-song-mpls-extension-header>
 - Polled for adoption by the WG ~ 3weeks – allowed extension to disclosure of a new additional IPR
 - Poll showed minimal support and substantial objections from the WG around the IPR(s) filed against this document
 - Conclusion was not to adopt the document

Open Action Items

- IANA Registry for the First Nibble Following a Label Stack
 - ID: <https://datatracker.ietf.org/doc/html/draft-kbbma-mpls-1stnibble>
 - Status (current Rev -05):
 - Product of members of the MPLS Open DT
 - Progress stalled with some outstanding issues
 - Chairs assigned additional editor (Greg Mirsky) to continue to drive this forward
 - A new revision was posted

Closed Actions

- Existence of “Existing MPLS usecases” with proposed MNA solutions
 - Add description of how non-IP MPLS payloads (such as BIER/DETNET, etc.) co-exist of with the MNA proposed solution
 - Updates are being added in separate IDs. The direction is to document how solution addresses each use-case in a separate ID.

MPLS Open DT Next Steps

- MPLS Open DT meetings. Options
 - On-demand Open DT meetings
 - Lower frequency (bi-weekly)
 - Interims
- WG and Open DT continue to look for alternative solutions for the MNA PSD ancillary data encoding