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) 1/2

- Use Cases for MPLS Network Action Indicators and MPLS Ancillary Data
  - 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)

- **MPLS Network Actions Framework**
  - 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**
  - Status (current Rev -01)
    - Working on addressing comments receiving during adoption
Adoption Polls for New MNA Documents

- **MPLS Network Action (MNA) Sub-Stack Solution**
  - 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**
  - 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
  - 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