MPLS-TP OAM (IETF) YANG data model

draft-zhang-mpls-tp-yang-oam

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Status

- The data model includes:
  - Maintenance Entity Group
  - Maintenance Entity
    - Fault Management:
      - Alarm Indication Signal
      - Lock Report
      - Continuity Check
      - Connectivity Verification
    - Performance Monitoring:
      - Packet loss ratio
      - Delay
      - Jitter
- Earlier were completed:
  - RFC 7487 Configuration of Proactive OAM Functions for MPLS-Based Transport Networks Using RSVP-TE
  - RFC 7759 Configuration of Proactive OAM Functions for MPLS-Based Transport Networks Using LSP Ping
- Very important work @ ITU:
  - G-8152 Protocol-neutral management information model for the MPLS-TP network element

Open issues

- Interest in IETF-specific MPLS-TP data models, i.e. LSP Ping, CC/CV, loss and delay measurement?
- Does G.8152 answers to all questions brought up by Sasha Vainshtein:
  - Which of MPLS-TP RFCs the data models will cover:
    - RFC 6370 (MPLS-TP Identifiers)?
    - RFC 6371 (with or without the SPME)?
    - RFC 6375?
    - RFC 6426 (i.e. LSP Ping and Traceroute for MPLS-TP)?
    - RFC 6427?
    - RFC 6428?
    - RFC 6435?
    - RFC 6923 (ITU-T Style for MPLS-TP identifiers)?
    - RFC 7759?
    - RFC 8256 (an alternative to SPME)?
- Where to do IETF's MPLS-TP data models – IETF or G.8152?

Next steps

- Your comments, suggestions, questions always welcome and greatly appreciated