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