Requirements for MPLS Network Actions

draft-ietf-mpls-mna-requirements-04
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Overview

• Captures the key requirements for MPLS network actions that affect forwarding or other processing of MPLS packets:
  • General Requirements
  • MNA Sub-Stack Indicators: How a node determines if and where MNA exists
  • Network Action indicators
  • Ancillary Data: In particular in-stack vs post-stack
• Requirements largely derived from a number of proposals for additions to the MPLS label stack to allow decisions about actions based on application data
• Requirements are on protocol design, NOT implementations
Main Changes Since Last IETF

• Addressed comments following MPLS WG Adoption
• Removed appendix listing MPLS WG Adoption comments
• Renamed draft from Requirements for MPLS Network Action Indicators and MPLS Ancillary Data to Requirements for MPLS Network Actions
• On-going alignment of terminology and concepts with draft-ietf-mna-framework
Next Steps

• Several versions of the draft have been reviewed line-by-line in the MPLS Open Design Team
• May need to add or refine requirements on MNA for non-IP payloads (PWs, EVPN, etc)
• Please review and post comments to the MPLS list