
An Overview of Operations, Administration, and Maintenance (OAM) Mechanisms

draft-ietf-opsawg-oam-overview

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Background

► Goals

- Overview of OAM mechanisms in the IETF
- Comparison to other OAM mechanisms from IEEE, ITU-T
- Focus on forwarding-plane OAM

► A merge of two overlapping drafts

- draft-ietf-opsawg-oam-overview-00.txt
- draft-sprecher-mpls-tp-oam-primer-00.txt

IETF Mechanisms	ITU-T and IEEE Mechanisms
<ul style="list-style-type: none">► ICMP► LSP Ping► BFD (IP, MPLS LSP and PW)► VCCV► IP Performance Metrics (IPPM)► MPLS-TP OAM	<ul style="list-style-type: none">► ITU-T Y.1711 (MPLS OAM)► ITU-T Y.1731 (Ethernet OAM)► IEEE802.1ag (Ethernet OAM)► IEEE802.3ah (Ethernet in the first mile)

History and Next Steps

▶ **History**

- Oct 2009 – 1st draft
- Jan 2010 – accepted as WG document
- Oct 2010 – merged two drafts

▶ **What happened since the previous draft?**

- Minimal changes following received comments
- MPLS-TP OAM definition in the MPLS WG is nearing closure

▶ **Next steps:**

- Proceed to last call