MPLS-TP OAM ID MIB

draft-vkst-mpls-tp-oam-id-mib-00

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Introduction

- This draft defines the identifiers for MPLS-TP LSPs, Pseudowires and sections for OAM operations.

- The OAM MIB module defines following tables,
  - mplsOamMegTable
  - mplsOamMeTable

- The new tables are generic enough to handle both the IP and/or ICC operator based TP identifiers.

New Tables

- ## MEG Table
  - Manages one or more Maintenance Entities (MEs) that belongs to the same transport path

- ## ME Table
  - Defines a relationship between two points (source and sink) of a transport path to which maintenance and monitoring operations apply.
  - Supports the configurations of MEP (Maintenance Entity Group End Point) and MIP (Maintenance Entity Group Intermediate Point).

Why New Tables?

The new tables are used to perform the below OAM operations,

- Continuity Check and Connectivity Verification

- Remote Defect Indication

- Alarm Reporting

- Lock Reporting

- Lock Instruct

- Client Failure Indication

- Packet Loss Measurement

- Packet Delay Measurement

Example

MEG Index	MEG Name	Operator Type	Service Type
1000	LSP1	Ipcompatible	Lsp
2000	PW1	Ipcompatible	pseudowire

MPLS OAM MEG Table

MEG Index	ME Index	MP Index	MP Type	MEP Direction	Service Pointer
1000	100	10	mep	down	mplsTunnelName. 200.1.10.20
1000	200	20	mep	down	-

MPLS OAM ME Table

Tunnel Index	Tunnel Instance	Ingress LSR Id	Egress LSR Id	XC Index
200	1	10	20	2

Standard MPLS Tunnel table
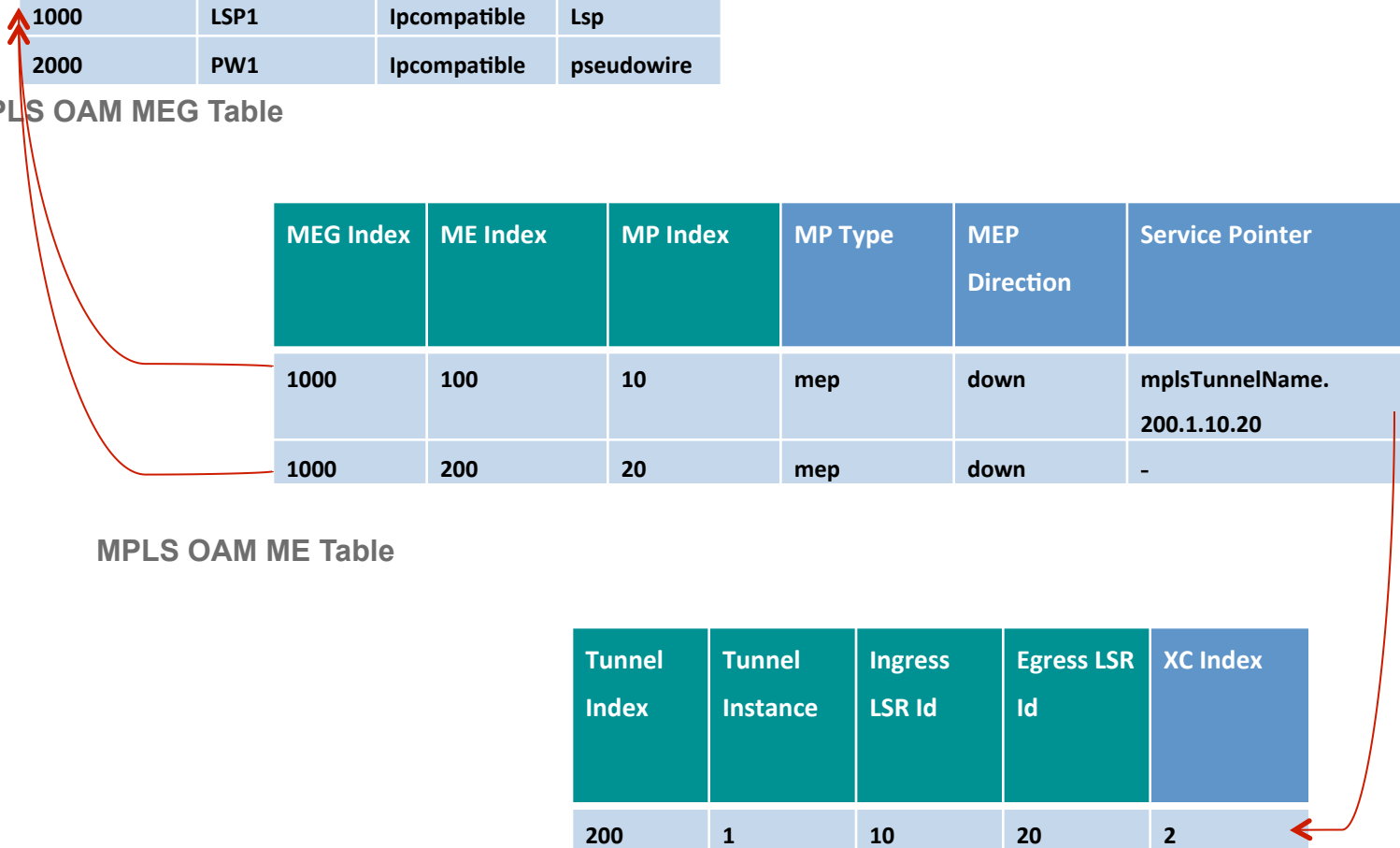
Next Steps

- Does the WG find this work useful and satisfying of the chartered items for MPLS-TP OAM identifier MIB modules?
  - If so, we ask that the WG Accept draft-vkst-mpls-tp-oam-id-mib-00 as WG document

- Additional comments/review are requested.

Thank You