

MPLS Transport Profile Linear Protection MIB

draft-smiler-mpls-tp-linear-protection-mib-00

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Motivation

- Requirement for a Linear Protection Switching MIB module derived from:
[draft-ietf-mpls-tp-mib-management-overview.](#)
- In response authors develop a new MIB module for supporting MPLS Transport Path Linear Protection feature.

Introduction

- This draft defines the object identifiers (OIDs) to support MPLS TP Linear protection OAM.
- It has 4 new tables as follows
 - mplsLpsConfigTable
 - mplsLpsStatusTable
 - mplsLpsMeConfigTable
 - mplsLpsMeStatusTable

Tables

- **mplsLpsConfigTable**
 - Maintain the MPLS TP Linear protection Group and its associated configuration parameters.
- **mplsLpsStatusTable**
 - Maintains the status information of linear protection groups
- **mplsLpsMeConfigTable**
 - Maintains the association of the Maintenance Entities (MEs) to the protection switching group
- **mplsLpsMeStatusTable**
 - Maintains the current information about the protection path

Tables Example

mplsLpsConfigTable

Group Name	Mode	Revertive	Scheme	WTRTimer
Grp1	1+1	Revertive	Bidirectional	300s

mplsLpsStatusTable

ReqRcv	ReqSent	FpathRcv	FPathSent	ModeMismatch
0	0	1	0	0

AUGMENTS

mplsLpsMeConfigTable

MEG Index	ME Index	MP Index	Group Name	state	command
100	101	102	Grp1	primary	lockoutOfProtection

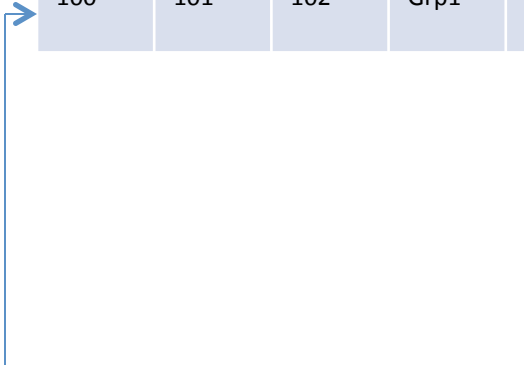
mplsLpsMeStatusTable

currentstatus	signalfailures	switchovers	lastswitch over
lockedOut	0	0	0

AUGMENTS

mplsOamIdMeTable

MEG Index	ME Index	MP Index	MP type	Direction
100	101	102	Mep	UP



Summary & Next Steps

- Comments already received from the WG list.
- We will update to Version 1 with the following OID inclusions
 - HoldOffTimer in mplsLpsConfigTable
 - TxCount and Rxcount in mplsLpsStatusTable
- Continue to seeking comments and suggestions from the WG.