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| IEEE 802.1 REVISION REQUEST 0100 |  
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DATE: 17 January 2013

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REQUESTED REVISION:

STANDARD: 802.1Q-2012

CLAUSE NUMBER: 17.7.6

CLAUSE TITLE: Definitions for the IEEE8021-MSTP MIB module

RATIONALE FOR REVISION:

In MSTP, all VLANs are assigned to the CIST by default and users may assign VLANs to other MST instances.

The ieee8021MstpVlanV2Table read-only table maps VLANs to MST instances.

ieee8021MstpFidToMstV2Table is read-writable, but it is indexed by filtering database (FID), rather than VLAN.

FID to VLAN allocation is done via ieee8021QBridgeVlanCurrentTable, which is a (partially) dynamic table.

A user cannot configure the VLANs to MST instances mapping, if the FID to VLAN mapping is created dynamically, or if a VLAN was not assigned an FID yet.

PROPOSED REVISION TEXT:

Change the MAX-ACCESS clause of ieee8021MstpVids0, ieee8021MstpVids1, ieee8021MstpVids2, ieee8021MstpVids3 (pages 729, 730) to read-create, and use them for VLAN-to-MST mapping, regardless of VLAN-to-FID mappings.

A similar solution is to change the MAX-ACCESS clause of ieee8021MstpVlanV2MstId to read-write, but this is inconvenient if you have to map a many VLANs, since ieee8021MstpVlanV2Table contains one row per VLAN.

IMPACT ON EXISTING NETWORKS:

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| Please attach supporting material, if any |  
| Submit to: - Tony Jeffree, Chair IEEE 802.1 |  
| and copy: - Glenn Parsons, Vice-Chair IEEE 802.1 |  
| E-Mail: stds-802-1-maint-req@ieee.org |  
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