
IEEE 802.1 REVISION REQUEST 0090

DATE: 10th December 2012
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REQUESTED REVISION:
STANDARD: 802.10-2011
CLAUSE NUMBER: Annex D
CLAUSE TITLE: IEEE 802.1 organizationally specific TLVs

RATIONALE FOR REVISION:
Submitted on behalf of David Law:

I have a question in relation to the MIB entries that seem to be defined with wrong indexes in IEEE Std 802.1AB-2009. I understand the same errors exist in the LLDP-EXT-DOT1-V2-MIB-201103230000Z.txt MIB but the following are excerpts from IEEE Std 802.1AB-2009. For example, IldpV2Xdot1RemManVidEntry describes the management VLAN ID of a specified neighbour. However, IldpV2RemIndex is not included by the indexes. The same bug exists on the IldpV2Xdot1RemVidUsageDigestEntry.

Name: IldpV2Xdot1RemManVidEntry
Type: OBJECT-TYPE
OID: 1.3.111.2.802.1.1.13.1.5.32962.1.3.6.1
Full path:
iso(1).org(3).ieee(111).standards-association-numbers-series-standards(2).lan-man-stds(802).ieee802dot1(1).ieee802dot1mibs(1).IldpV2MIB(13).IldpV2Objects(1).IldpV2Extensions(5).IldpV2Xdot1MIB(32962).IldpV2Xdot1Objects(1).IldpV2Xdot1RemoteData(3).IldpV2Xdot1RemManVidTable(6).IldpV2Xdot1RemManVidEntry(1)
Module: LLDP-EXT-DOT1-V2-MIB
Parent: IldpV2Xdot1RemManVidTable First child:
IldpV2Xdot1RemManVid
Numerical syntax: Null
Base syntax: IldpV2Xdot1RemManVidEntry Composed syntax:
IldpV2Xdot1RemManVidEntry
Status: current
Max access: not-accessible
Sequences: 1: IldpV2Xdot1RemManVid - Unsigned32(66 - gauge32)
Indexes: 1: IldpV2RemTimeMark
2: IldpV2RemLocalIfIndex
3: IldpV2RemLocalDestMACAddress
Reference: D.2.6
Description: Management VID information received through the given port/destination address pair.
Name: IldpV2Xdot1RemVidUsageDigestEntry
Type: OBJECT-TYPE
OID: 1.3.111.2.802.1.1.13.1.5.32962.1.3.5.1
Full path:

maint_0090.txt

iso(1).org(3).ieee(111).standards-association-numbers-series-standards(2).lan-man-stds(802).ieee802dot1(1).ieee802dot1mibs(1).lldpv2MIB(13).lldpv2Objects(1).lldpv2Extensions(5).lldpv2Xdot1MIB(32962).lldpv2Xdot1Objects(1).lldpv2Xdot1RemoteData(3).lldpv2Xdot1RemVi dUsageDigestTable(5).lldpv2Xdot1RemVi dUsageDigestEntry(1)
Module: LLDP-EXT-DOT1-V2-MIB

Parent: lldpv2Xdot1RemVi dUsageDigestTable First
child: lldpv2Xdot1RemVi dUsageDigest

Numerical syntax: Null
Base syntax: lldpv2Xdot1RemVi dUsageDigestEntry Composed
syntax: lldpv2Xdot1RemVi dUsageDigestEntry
Status: current
Max access: not-accessible
Sequences: 1: lldpv2Xdot1RemVi dUsageDigest - Unsigned32(66 - gauge32)
Indexes: 1: lldpv2RemTimeMark
2: lldpv2RemLocalIflIndex
3: lldpv2RemLocalDestMACAddress

Reference: D.2.5

Description: Usage digest information received on the given port/destination address pair.

PROPOSED REVISION TEXT:

Include lldpv2RemIndex in the indexes for these two objects.

IMPACT ON EXISTING NETWORKS:

Minimal. These are optional objects; the only impact would be seen in networks where the corresponding TLVs are received from more than one remote system on a given destination address.

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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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| +----- For official 802.1 use -----+ |
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