IEEE 802.1 REVISION REQUEST 0152

DATE:6th January 2015
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REQUESTED REVISION:
STANDARD: 802.1Q, 802.1AB, 802.1AX
CLAUSE NUMBER: See below
CLAUSE TITLE:

RATIONALE FOR REVISION:

Previous maintenance request (#132) calls for the removal of D2.7 (Link Agg TLVs) from 802.1Q as these are also documented in 802.1AX-REV. However:

- The TLVs are documented in AX-REV but the related managed objects in the 802.1AB MIB extension are still documented in 802.1Q

- The MIB object in Q that represents the link agg capability/status (Table F-1 in AX-REV) make use of a textual convention taken from 802.1AB which no longer corresponds to the current definition of the field.

This is a mess - really, when this TLV was extracted into AX-REV, the corresponding MIB objects should have been documented there. Also, while Table F-1 uses bit numbering from 1 to 8, the MIB object uses the BITS data type that naturally numbers from 0 to 7...

PROPOSED REVISION TEXT:

Various alternative possibilities:

1) Fix the textual convention in AB to match Table F-1.

2) Write a new textual convention in the extension MIB in Q-2014 Cor-1 that corresponds to Table F-1 and use that in the object defs in Q.

3) Deprecate the objects in Q (via Q-2014-Cor-1) and write a (very short) extension MIB to go in AX-REV.

Option 2) is probably the most expedient solution, but leaves the long-term problem that the next time we change the TLV in AX we also have to fix Q.

IMPACT ON EXISTING NETWORKS:

<replace this text with a description of impact on existing networks>

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

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|            +------- For official 802.1 use -----------+            |
|            | REV REQ NUMBER: 0152                     |            |
|            | DATE RECEIVED: 6 January 2015            |            |
|            | EDITORIAL/TECHNICAL                      |            |
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