
IEEE 802.1 REVISION REQUEST 0089

DATE: 4th 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) Annex D.2.5 'VID Usage Digest TLV' of IEEE Std 802.10-2011 states that 'The value of the VID Usage Digest is obtained by applying the CRC32 function (IEEE Std 802.3-2008, 4.2.10) to a VID Usage Table having a fixed length of 128 octets.' and that 'A bit of the VID Usage Table contains the value PBB-TE-USAGE (binary 1) if the corresponding element of the MST Configuration Table (8.9.1) contains the value PBB-TE MSTID (hex FFE) and otherwise contains the value NON-PBB-TE-USAGE (binary 0)'. Subclause 12.12.3 'The MST Configuration Table' of IEEE Std 802.10-2011 however states 'The MST Configuration Table is modeled as a fixed table of 4096 elements, as described in 13.7.'. If the MST Configuration Table is modelled as a fixed table of 4096 elements, how can the VID Usage Table, which seems to have to contain one bit for each element of the MST Configuration Table, contain only 128 bytes, which is 1024 bits. Should the VID Usage Table have a fixed length of 512 bytes so that there are 4096 bits to match the number of entries in the MST Configuration Table?

PROPOSED REVISION TEXT:

Clarification seems to be needed.

IMPACT ON EXISTING NETWORKS:

Not clear.

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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ACCEPTED/DENIED
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