

IEEE 802-1D-Reaffirmation MAC Bridges comments

Cl 17 SC 17.21.10 P 167 L 1 # 1

Seaman, Michael

Comment Type T Comment Status D

As discussed on the 802.1 email list from time to time, and verified by simulation and implementation, there was an editorial mishap at the end of 802.1D-2004 development which made the content of the recordDispute() procedure incorrect. The text needs to be updated to reflect what is actually implemented and working.

SuggestedRemedy

Replace the current body of 17.21.10 with:
 If an RST BPDU with the learning flag set has been received:
 a) the disputed variable is set; and
 b) the agreed variable is cleared.

Proposed Response Response Status W

PROPOSED REJECT. As this is a reaffirmation ballot, there will be no changes made to the standard under ballot. However, the comment will be considered as and when the standard is next revised.

Cl 17 SC 17.20.3 P 164 L 15 # 2

Seaman, Michael

Comment Type T Comment Status D

In the definition of "allSynced" the condition should only be true if 'updInfo' is also TRUE. This fact was discovered shortly after 802.1D-2004 was finalized and has been verified in simulation and in real implementations. An email to the 802.1 exploder on 3/10/2004 discussed this issue.

SuggestedRemedy

In the definition of allSynced (17.20.3) after "the port's role is the same as its selectedRole" add ",and updInfo is FALSE;". Also replace "true" with "TRUE" in "selected is true", as is done in other procedures on this page.

Proposed Response Response Status W

PROPOSED REJECT. As this is a reaffirmation ballot, there will be no changes made to the standard under ballot. However, the comment will be considered as and when the standard is next revised.

Cl 17 SC 17 P 137 L 1 # 3

Seaman, Michael

Comment Type T Comment Status D

At the present time a revision of 802.1Q is in progress and a unified description of RSTP and MSTP has been prepared as part of that revision activity (which has passed working group ballot, but not yet entered sponsor ballot). That unified description has a number of modest improvements and useful additional text to offer for implementations that just implement RSTP, and it is unlikely that there will be any future work to retrofit those to 802.1D. It would therefore be useful to add a pointer to 802.1D referencing the 802.1Q revision. Since the revision is not yet an approved standard it would be inappropriate to change 802.1D conformance yet. The long term working group plan is that 802.1Q will subsume and obsolete 802.1D, though there are a number of other aspects of 802.1Q that are yet to be developed to allow that to be done.

SuggestedRemedy

Add a note, either near the beginning of this clause (17) or in the introductory (non-normative) Introduction to 802.1D, referencing the 802.1Q revision and stating that it is anticipated that 802.1Q will provide an enhanced protocol specification for all the current spanning tree protocols and suggesting that implementors consult the status of that revision when implementing RSTP as currently described by clause 17.

Proposed Response Response Status W

PROPOSED REJECT. As this is a reaffirmation ballot, there will be no changes made to the standard under ballot. However, the comment will be considered as and when the standard is next revised.