

IEEE 802.1 Maintenance Request

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| IEEE 802.1 REVISION REQUEST 0050 |
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DATE: July 3, 2012

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REQUESTED REVISION:

STANDARD: 802.1Q-2011

CLAUSE NUMBER: 5.4.4, 10.3, 35.2.4

CLAUSE TITLE: MSRP requirements,

RATIONALE FOR REVISION:

Clause 5.4.4 requires MSRP to make use of the MAP operation specified in 10.3.1; however, clause 10.3 clearly states:

"The MAP function for the MSRP application is specified in 35.2.4."

Further, 35.2.4 indicates:

"For the Talker and Listener attributes MSRP propagates attributes in a manner different from that described in 10.3 for MMRP and MVRP"

5.4.4, 10.3, and 35.2.4 must be made consistent.

Currently, there is no MAP behavior defined for how new or non-new attributes

are propagated or what to do when tcDetected occurs.

per 10.1 last paragraph: "The rules applied to the marking and propagation of

newly declared values in this way are common to all MRP Applications;

however,

the action taken on receipt of an attribute declaration marked as "new" is specific to each MRP Application

PROPOSED REVISION TEXT:

Remove the conflict between 5.4.4 and 10.3/35.2.4.

TWO substantial changes:

#1:

5.4.4(d) to point to 35.2.4.5 rather than 10.3.1.

5.4.4(d) also must not reference the "Base Spanning Tree Context" but rather should reference the "single context" referred to in 35.2.4.5

Re-write 5.4.4(d) as follows:

"Propagate registration information in accordance to the the single context for

MSRP attribute propagation that includes all Bridge Ports, as specified in 35.2.4.5."

#2:

Add to 35.2.4 or anyplace deemed more fitting:

For any MAD\_Join.indication, or any MAD\_Join.request being propagated by the

MSRP Attribute Propagation,

if the 'new' parameter in the request being propagated is TRUE, then the value of the 'new' parameter in the propagated MAD\_Join.request is set TRUE.

If the value of tcDetected (13.23) for the Port providing the MAD\_Join.indication and MAP Context is nonzero, then the value of the 'new' parameter in the propagated MAD\_Join.request is set TRUE, regardless of the value of this parameter in the indication or request that is being propagated.

Otherwise the 'new' parameter in the propagated request is FALSE.

#### IMPACT ON EXISTING NETWORKS:

Without standard specified behavior, existing implementations may vary in their MAP operation, specifically in regard to 'new'

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