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IEEE 802.1 Maintenance Request
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| IEEE 802.1 REVISION REQUEST 0057                                  |
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DATE: July 6, 2012
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REQUESTED REVISION:
STANDARD: 802.1Q-2011
CLAUSE NUMBER: 10.3(a)
CLAUSE TITLE: MRP Attribute Propagation

RATIONALE FOR REVISION:

10.3(a) states:

Any MAD_Join.indication, or any MAD_Join.request issued by the MRP
application, received by MAP from a given Port in the set is propagated
as a
MAD_Join.request to the instance(s) of MAD associated with each other
Port in
the set. If the value of tcDetected (13.23) for the Port 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.

The existing text is unclear as to which "Port" is referenced in the
statement
above "If the value of tcDetected for the Port..." as it could refer to
either:
"received by MAP from a given Port" (the ingress Port)
or
"each other Port" (egress Ports)
in the preceding text of 10.3(a).

It has been suggested that "the Port" refers to "other Port" (the egress
port).

However, if it refers to the ingress port, it would seem to be more
consonant
with the purpose of 'new'.
Specifically:
If a bridge has some attribute registered on a port, and that bridge is
connected to another bridge, when the ports begin forwarding, 10.3.d is
invoked, causing the newly-forwarding port to transmit a declaration

If "the Port" is the egress port, the declaration will not be signaled as a new declaration (10.3.d says nothing about propagating as new). However, if "the Port" is the ingress port, the neighboring bridge would propagate a received JoinMt or JoinIn as New, thus informing the bridged LAN of the topology change

PROPOSED REVISION TEXT:

Clarify the text of 10.3(a) as follows (add "given" before third occurance of the word 'Port'):

Any MAD_Join.indication, or any MAD_Join.request issued by the MRP application, received by MAP from a given Port in the set is propagated as a
MAD_Join.request to the instance(s) of MAD associated with each other Port in
the set. If the value of tcDetected (13.23) for the given Port 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.

IMPACT ON EXISTING NETWORKS:

This clarification will assist in the proper attribute propagation in a bridged environment following a topology change.

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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                               |
|                                                                     |
|             +------- For official 802.1 use -----------+           |
|             | REV REQ NUMBER:  0057                     |           |
|             | DATE RECEIVED:   09/06/2012               |           |
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