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| IEEE 802.1 REVISION REQUEST 0023                                     |
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REQUESTED REVISION:
        STANDARD: 802.1Q-2011
        CLAUSE NUMBER: 6.11.2
        CLAUSE TITLE: Support of the EISS by Customer Backbone Ports

RATIONALE FOR REVISION:

The specification in c6.11.2 specifies:

"The priority and drop_eligible parameters carry the same value as the corresponding
parameter in the EISS request."

This implies that the c6.11 function's ISS SAP priority and drop_eligible parameters
carry the BVLAN priority and drop_eligible parameter values. Those BVLAN related
priority/drop_eligible parameter values are then used to control the c8.6.6 Queueing
of BSI frames.

When the CBP contains clause 6.18 functions (around BSI MEP/MIP functions) the
clause 6.18's ISS SAP priority and drop_eligible parameter values are based on the
BSI priority and drop_eligible parameter values (and not longer on the BVLAN's
values).

The behaviour is as such not consistent.

The BVLAN however is terminated and the BSI signals are forwarded over the ISS SAP.
The ISS SAP priority and drop_eligible parameters should therefore be based on the
BSI priority and drop_eligible parameter values. The c8.6.6 Queueing of BSI frames
should be controlled by the BSI priority/drop_eligible parameters.

PROPOSED REVISION TEXT:

Add to 6.11.2 the specification to read the I-PCP and I-DEI fields and then use the
c6.11.3 function to determine the ISS SAP's _priority and drop_eligible parameter
values.

Replace the following paragraph in 6.11.2:

"The priority and drop_eligible parameters carry the same value as the corresponding
parameter in the EISS request."

by

"The value of the drop_eligible and priority parameters are determined as follows:

        g) The value of the drop_eligible parameter and the received_priority value
are decoded from the I-DEI and the I-PCP fields of the I-TAG in the
mac_service_data_unit as described in 6.11.3."

IMPACT ON EXISTING NETWORKS:

Existing CBPs without clause 6.18 functions (located around BSI MEP and/or MIP
functions) will perform their Queueing frame function on the BVLAN
priority/drop_eligible parameter values which may not be the same as the BSI
priority/drop_eligible parameter values. Under I-Tagged LAN congestion conditions,
an incorrect set of BSI frames may be forwarded.

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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: 0023                      |           |
|               | DATE RECEIVED: 1/16/2012                  |           |
|               | TECHNICAL                                 |           |
|               | ACCEPTED/DENIED                           |           |
|               | BALLOT REQ'D YES/NO                       |           |
|               | Status: R                                 |           |
|               +-------------------------------------------+           |
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BSI

BVLAN1

BCB

BCB

BBEB

Link

BBEB

BVLAN2

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BVLAN

BSI

BVLAN1

Link

c6.11

c6.11

BVLAN2

BSI priority/drop_eligible

idem

BVLAN priority/drop_eligible scope

BVLAN priority/drop_eligible scope

idem

The processes in this area should operate on BSI priority/drop_eligible scope and not on the BVLAN ones

IBBEB

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BCB

BBEB

I-Tagged LAN

BBEB

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