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|                     8802-3/802.3 REVISION REQUEST                     |
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DATE: April 21, 1999
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REQUESTED REVISION:
STANDARD: 802.3ac or equivalent change in 802.3 Clause 31, MAC control
CLAUSE NUMBER: 803.3ac revision section dealing w/ Clause 3.5 (Frame
format)
CLAUSE TITLE:
PROPOSED REVISION TEXT: Insert text after 3.5.4 Length/Type field
definition.
"MAC Control frames shall not bear QTag Type field", or equivalent
change.

RATIONALE FOR REVISION: Current definitions of Tagged frames in 802.3ac
and MAC control frame definition allow a MAC to transmit a MAC control
frame that is VLAN tagged.  I believe that the intent was for MAC
control
frame to live between two MACs, whereas the VLAN tagged frames live in
extended LAN space.   If a MAC (in an Ethernet Switch, for example) does
not recognize this as the tagged Pause frame and allow the untag
operation at the egress port, it becomes a pause frame.  Unless we
intended to allow MAC control frame to be VLAN tagged, we should correct
this (or clarify this).

IMPACT ON EXISTING NETWORKS: None.  But if we do not correct this, then
older bridging equipment that only recognize MAC control type field may
forward the Tagged MAC control frame to the an output port connected to
a Tag aware MAC.  This erroneously sends a MAC control frame to the
unintended [Tag aware] MAC.

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|Please attach supporting material, if any                              |
|Submit to:-   Geoffrey O. Thompson, Chair IEEE 802.3                   |
|              Nortel Networks, Inc.  M/S SC5-02                        |
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|                                                                       |
|              +------- For official 802.3 use -----------+            |
|              |  REV REQ NUMBER: 1001                     |            |
|              |  DATE RECEIVED: April 21, 1999            |            |
|              |  EDITORIAL/TECHNICAL                      |            |
|              |  ACCEPTED/DENIED                          |            |
|              |  BALLOT REQ'D     YES/NO                  |            |
|              |  COMMENTS: Status I - 12th May, 2000      |            |
|              |                                           |            |
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