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|                     8802-3/802.3 REVISION REQUEST                    |
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DATE: 21 January 2015
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REQUESTED REVISION:
    STANDARD: 802.3
    CLAUSE NUMBER: Various
    CLAUSE TITLE:
PROPOSED REVISION TEXT:

Revise IEEE Std 802.3 to properly describe, architect, and define jumbo
frames and cut-through behaviour.

RATIONALE FOR REVISION:

"Jumbo Frames" have been the elephant in the room for at least a couple
of decades now; they are not sanctioned by IEEE Std 802.3, but they
exist "in the wild" in products from several manufacturers. Similarly,
cut-through behaviour is supported by several manufacturers, but is not
described or sanctioned in the standard.

The lack of an agreed 802.3 specification for these behaviours makes it
increasingly difficult to specify new functionality in 802.1 Bridges;
there is no standard specification, but we have to take account of these
aspects of real-world networks anyway when we specify new Bridging
functions.

It would be a service to the industry for 802.3 to finally accept
reality - these behaviours exist, and having a standard specification
for them would promote interoperability, which is, after all, a major
raison d'etre for the whole of the 802 standards effort.

IMPACT ON EXISTING NETWORKS:
Unclear. These features would presumably be included as options.


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|Please attach supporting material, if any                             |
|Submit to:-    David Law, Chair IEEE 802.3                            |
|and copy:-     Adam Healey, Vice-Chair IEEE 802.3                     |
|                                                                      |
|At:-           E-Mail: stds-802-3-maint-req@ieee.org                  |
|                                                                      |
|               +------- For official 802.3 use -----------+          |
|               | REV REQ NUMBER: 1272                      |          |
|               | DATE RECEIVED: 21st January, 2015         |          |
|               | EDITORIAL/TECHNICAL                       |          |
|               | ACCEPTED/DENIED                           |          |
|               | BALLOT REQ'D      YES/NO                  |          |
|               | COMMENTS:                                 |          |
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| For information about this Revision Request see -                    |
|http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1272 |
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