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|                     8802-3/802.3 REVISION REQUEST                     |
+=======================================================================+
DATE:                   5th March, 2000
NAME:                   David Drumm
COMPANY/AFFILIATION:    3Com
ADDRESS:                Valley Forge
                        2435 Blvd. of the Generals,
                        Norristown PA. 19403
PHONE:                  (610)-635-0100
FAX:
E-MAIL:                 David_Drumm@3com.com
REQUESTED REVISION:
  STANDARD:             IEEE Std 802.3ab-1999
  CLAUSE NUMBER:        40.3.4, Figure 40-9
  CLAUSE TITLE:         State diagrams
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PROPOSED REVISION TEXT:

On the lower right hand side exiting the the CARRIER EXTENSION state
path 'A' is taken if STD * tx_enable=FALSE * tx_error=TRUE. Suggest
this should read STD * tx_enable=FALSE * tx_error=FALSE.

RATIONALE FOR REVISION:

1. At the moment two paths out of the CARRIER EXTENSION state
have the same conditions, both the path to 'A' and the path
returning to the CARRIER EXTENSION state have the condition
STD * tx_enable=FALSE * tx_error=TRUE. This cannot be correct.

2. The path to A leads to the state SEND IDLE. I would expect
the transition from the CARRIER EXTENSION state to the SEND IDLE
state should occur when the GMII signals return to the idle state
which is defined in clause 35.2.2 as tx_enable=FALSE and
tx_error=FALSE and therefore expect that the transition condition
should read STD * tx_enable=FALSE * tx_error=FALSE.

IMPACT ON EXISTING NETWORKS:

It is unlikely that an implementation could meet the existing state
machine specification as one condition requires a transition to two
different states so changing the specification is unlikely to
make any existing implementations non-conformant.

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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                         |
|              4401 Great America Parkway                                |
|              P. O. Box 58185                                           |
|              Santa Clara, CA 95052-8185  USA                           |
|              Phone: +1 408 495 1339   FAX: 988 5525                    |
|              E-Mail: geoff_thompson@baynetworks.com                    |
|                                                                       |
|              +------- For official 802.3 use -----------+             |
|              |  REV REQ NUMBER: 1029                    |             |
|              |  DATE RECEIVED: 5th March, 2000          |             |
|              |  EDITORIAL/TECHNICAL                     |             |
|              |  ACCEPTED/DENIED                         |             |
|              |  BALLOT REQ'D    YES/NO                  |             |
|              |  COMMENTS: Published IEEE Std 802.3-2000 |             |
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| For information about this Revision Request see -                     |
|http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1029 |
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