

+-----+
| 8802-3/802.3 REVISION REQUEST |
+-----+

DATE: 7th July, 2000
NAME: Ben Schultz
COMPANY/AFFILIATION: UNH InterOperability Lab
ADDRESS: Univ of New Hampshire
Durham, NH
PHONE: (603) 862-3332
FAX: (603) 862-1915
E-MAIL: schultz@iol.unh.edu

REQUESTED REVISION:
STANDARD: IEEE Std 802.3ab-1999
CLAUSE NUMBER: 40C.2.1 and Figure 40C-2
CLAUSE TITLE: Auto-Negotiation Transmit state machine add-on
for 1000BASE-T

PROPOSED REVISION TEXT:

Discard the following transitions for the states in Figure 40C-2:
1000T_MP_TX, 1000T_UP1_TX and 1000TUP2_TX.

RATIONALE FOR REVISION:

Figure 28-16 does not continuously reenter the ACKNOWLEDGE DETECT state when mr_page_rx=true. mr_page_rx <= true once for each time the device enters the ACKNOWLEDGE DETECT state. A device only enters the ACKNOWLEDGE DETECT state once for each type of Next Page that it transmits.

Figure 40C-2 has each 1000T TX state reexecuting if mr_page_rx=true. These transitions can be discarded if we can assume that Figure 28-16 is properly working in the background.

IMPACT ON EXISTING NETWORKS:

None. This change is to an informative Annex and therefore will have no effect on equipment compliance. Equipment manufactured using this change will interoperate with existing equipment.

+-----+

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: gthompso@nortelnetworks.com

+----- For official 802.3 use -----+
REV REQ NUMBER: 1048
DATE RECEIVED: 7th July, 2000
~~EDITORIAL/TECHNICAL~~
ACCEPTED/~~DENIED~~
BALLOT REQ'D YES/~~NO~~
COMMENTS: Published IEEE Std 802.3-2002

+-----+
For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1048
+-----+

