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:
Add a transition in Figure 40C-2 from WAIT4 to the Flp_Link_Good_Check state. This transition will have the following requirement:

rx_link_code_word[NP]=0 * mr_page_rx=true * ack_finished=true

RATIONALE FOR REVISION:
The Auto-Negotiation Transmit state machine add-on for 1000Base-T has the possibility of entering a deadlock in the WAIT4 state. If a link partner starts transmitting its last Next Page (rx_link_code_word[NP]=0) and the device is in WAIT4, there are no exit conditions.

IMPACT ON EXISTING NETWORKS:
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.

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 information about this Revision Request see - http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1042
Figure 40C-2 as modified by Revision requests 1042 to 1049 - Changes annotated