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| 8802-3/802.3 REVISION REQUEST |  
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DATE: 7th July, 2000  
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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 Firgure 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.

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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  
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| +----- For official 802.3 use -----+  
| REV REQ NUMBER: 1042  
| DATE RECEIVED: 7th July, 2000  
| ~~EDITORIAL~~/TECHNICAL  
| ACCEPTED/~~DENIED~~  
| BALLOT REQ'D YES/~~NO~~  
| COMMENTS: Published IEEE Std 802.3-2002  
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For information about this Revision Request see -  
[http://www.ieee802.org/3/maint/requests/revision\\_history.html#REQ1042](http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1042)

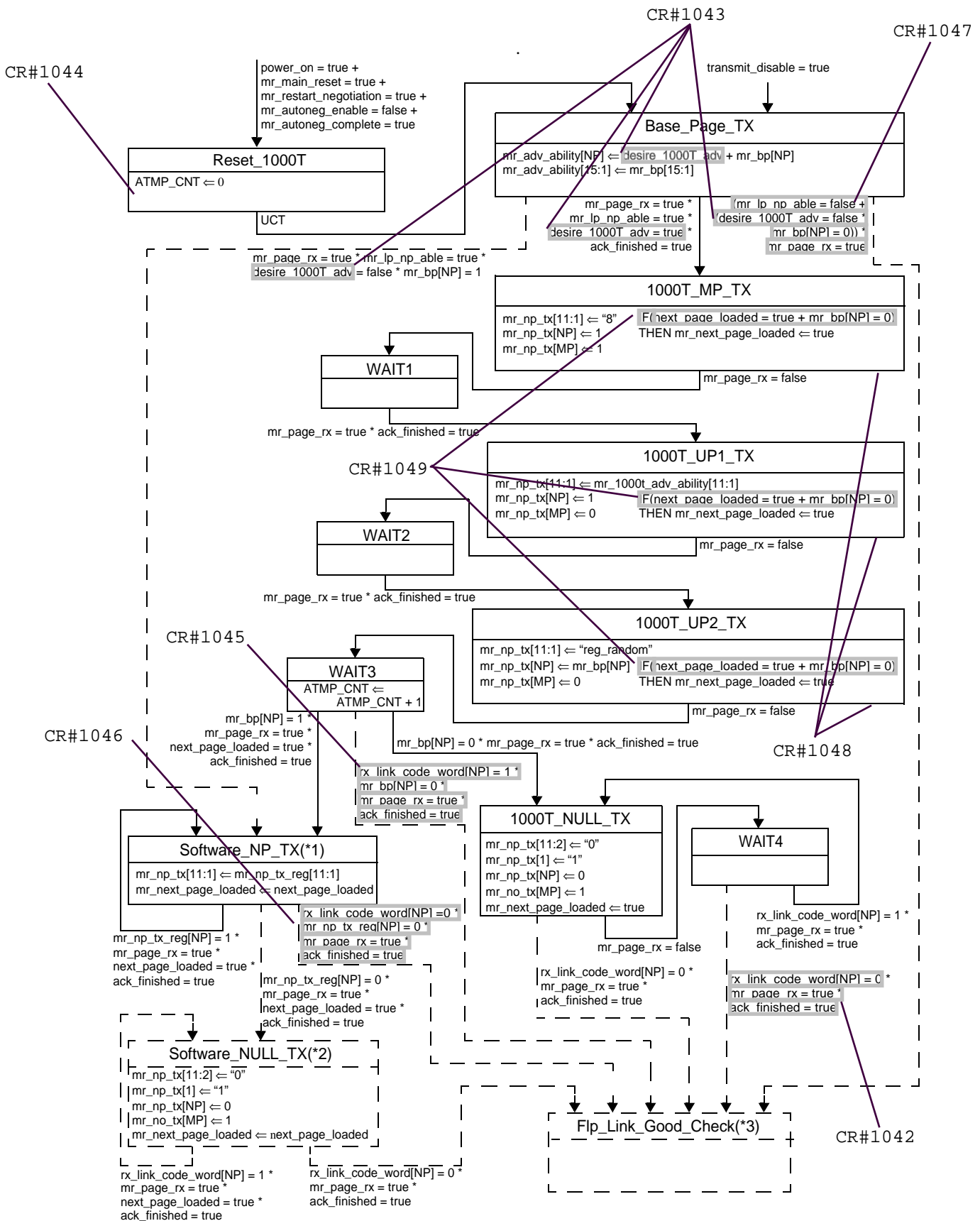


Figure 40C-2 as modified by Revision requests 1042 to 1049 - Changes annotated