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:

To be consistent with Figure 28-16, I suggest the transition from the Base_Page_TX state to the Flp_Link_Good_Check state in Figure 40C-2 should read:

\[(\text{mr_lp_np\_able=false} + (\text{1000T\_capable=false} \times \text{mr_bp[NP]=0})) \times \text{mr\_page\_rx=true}\]

RATIONALE FOR REVISION:

The transition from Base_Page_TX to Flp_Link_Good_Check should not be true until a device goes through the COMPLETE ACKNOWLEDGE state (Figure 28-16, Arbitration state diagram). In this state mr_page_rx gets set to true. With the current transition conditions, if a device has 1000T\_capable=false \times mr_bp[NP]=0, it can transition directly to Flp_Link_Good_Check.

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
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For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1047
Figure 40C-2 as modified by Revision requests 1042 to 1049 - Changes annotated