DATE: 25th May, 2004
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REQUESTED REVISION:
STANDARD: IEEE Std. 802.3-2002
CLAUSE NUMBER: 40C.1, 40C.2.1, and Figure 40C-2
CLAUSE TITLE: Auto-Negotiation Transmit state machine add-on for 1000BASE-T

PROPOSED REVISION TEXT:
See attached draft.

RATIONALE FOR REVISION:
This change was included in the approved draft of IEEE Std 802.3ag-2002 and should have been published as part of IEEE Std 802.3-2002 but was not.

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:- Bob Grow, Chair IEEE 802.3
E-Mail: Bob.Grow@intel.com

REV REQ NUMBER: 1149
DATE RECEIVED: 25th May, 2004
EDITORIAL/TECHNICAL
ACCEPTED/DENIED
BALLOT REQ'D YES/NO
COMMENTS: 08-Mar-06 Ver: D2.0 Status: P

For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1149
40C.1 State variables

Delete the following variable from 40C.1:

1000T_capable
   This variable is used merely to show the local device is 1000Base-T capable. It is shown to
   illustrate the path that a non-1000Base-T device would take within the auto negotiation mechanism.

Insert the following variable in 40C.1 (this should be inserted in alphabetical order):

desire_1000T_adv
   The local device desires a 1000BASE-T link.
   Values: true; bits 9.8 or 9.9 do not contain a logic zero.
           false; bits 9.8 and 9.9 both contain a logic zero.

Figure 40C–2—Auto-Negotiation Transmit state diagram add-on for 1000BASE-T

Change note 3 of Figure 40C-2 as follows:

3—(Flp_Link_Good_Check) This is shown for illustration only. This state is from the Auto-Negotiation arbitration state
   diagram and indicates the conclusion of pages being sent. (The transition desire_1000T_adv=1000T_capable = false is to
   show sequence for non 1000BASE-T implementations.)