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| 8802-3/802.3 REVISION REQUEST 1149 |  
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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.

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| Please attach supporting material, if any |  
| Submit to:- Bob Grow, Chair IEEE 802.3 |  
| E-Mail: Bob.Grow@intel.com |  
| |  
| +----- For official 802.3 use -----+ |  
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| ~~EDITORIAL~~/TECHNICAL |  
| ACCEPTED/~~DENIED~~ |  
| BALLOT REQ'D ~~YES~~/NO |  
| COMMENTS: 08-Mar-06 Ver: D2.0 Status: P |  
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| For information about this Revision Request see - |  
| [http://www.ieee802.org/3/maint/requests/revision\\_history.html#REQ1149](http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1149) |  
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## 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.)