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| 8802-3/802.3 REVISION REQUEST 1152 |
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DATE: 8th Jul, 2004
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REQUESTED REVISION:
STANDARD: IEEE Std 802.3ah-2004
CLAUSE NUMBER: 64.3.3.2
CLAUSE TITLE: Variables

PROPOSED REVISION TEXT:

The value of syncTime includes gain adjustment interval (Treceiver_settling), clock synchronization interval (Tcdr), and codegroup alignment interval (Tcode_group_align), as specified in 60.7.13.2.

For details see attached draft.

RATIONALE FOR REVISION:

The state machines in Figures 64-28 and 64-29 account for laser_on time (Ton) in addition to syncTime. If Ton is also included in syncTime, it will be accounted for twice, thus potentially breaking the scheduling.

IMPACT ON EXISTING NETWORKS:

None. All existing implementations do not include laser_on time in syncTime.

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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 -----+ |
REV REQ NUMBER: 1152	
DATE RECEIVED: 8th Jul, 2004	
~~EDITORIAL/TECHNICAL~~	
ACCEPTED/~~DENIED~~	
BALLOT REQ'D YES/~~NO~~	
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| For information about this Revision Request see - |
| http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1152 |
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64.3.3.2 Variables

Change the variable syncTime as follows:

syncTime

This variable holds the time required to stabilize the receiver at the OLT. It counts time_quanta units from the point where transmission output is stable to the point where synchronization has been achieved. The value of syncTime includes ~~laser on time (T_{on})~~, gain adjustment interval ($T_{receiver_settling}$), clock synchronization interval (T_{cdr}), and codegroup alignment interval ($T_{code_group_align}$), as specified in 60.7.13.2. The OLT conveys the value of syncTime to ONUs in Discovery GATE and REGISTER messages. During the synchronization time only IDLE patterns can be transmitted by an ONU.

TYPE: 16 bit unsigned

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