DATE: 10 December 2019
NAME: Kent Lusted
COMPANY/AFFILIATION: Intel
E-MAIL: kent.c.lusted@intel.com

REQUESTED REVISION:

STANDARD: 802.3cd-2018
CLAUSE NUMBER: 136.8.11.7.3
CLAUSE TITLE: Timers

PROPOSED REVISION TEXT:
Remove second sentence in the first paragraph of the description for the variable "max_wait_timer". This sentence is "It is started upon entry to the INITIALIZE state of the PMD control state diagram."

RATIONALE FOR REVISION:
There is a discrepancy in IEEE 802.3cd-2018 Clause 136.8.11 related to the start of the max_wait_timer. The PMD control state diagram from Figure 136-7 (pg 210) shows that the variable "max_wait_timer" starts in the TRAIN_LOCAL state. However, the "max_wait_timer" variable definition in 136.8.11.7.3 (pg 209) states that the variable starts upon entry into the INITIALIZE state.

The consensus among a few IEEE 802.3 voters was that the variable definition in 136.8.11.7.3 is incorrect and should be changed "INITIALIZE" to "TRAIN_LOCAL". A cleaner solution is remove the sentence because the specification typically does not directly include the state diagram precedence in any clause. Rather it is indirect by referring back to 21.5.

In Clause 136 we have...

136.8.11.7.5 State diagrams
The notation used in the state diagrams follows the conventions of 21.5. State diagram timers follow the conventions of 14.2.3.2. The notation ++ after a counter indicates that its value is to be incremented.

From 21.5 we have...
21.5 State diagrams
State diagrams take precedence over text.
The conventions of 1.2 are adopted, with the following extensions.
IMPACT ON EXISTING NETWORKS:
None, if implementers are following Clause 21.5.

| Please attach supporting material, if any |
| Submit to:- David Law, Chair IEEE 802.3 |
| and copy:- Adam Healey, Vice-Chair IEEE 802.3 |
| At:- E-Mail: stds-802-3-maint-req@ieee.org |

| REV REQ NUMBER: 1354 |
| DATE RECEIVED: 11 December 2019 |
| EDITORIAL/TECHNICAL |
| ACCEPTED/DENIED |
| BALLOT REQ'D YES/NO |
| COMMENTS: |

For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1354