DATE: 19 May 2019 (original was 8 January 2019)
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REQUESTED REVISION:

STANDARD: 802.3-2018
CLAUSE NUMBER: 45.2.3.74
CLAUSE TITLE: Link partner 1000BASE-T1 OAM message register

PROPOSED REVISION TEXT:
In Table 45-243, Change the second sentence in Description of 2313.15 from: "This bit shall self clear when register 3.2317 is read." to: "This bit self clears when register 3.2317 is read."

In 45.2.3.74.1 change "This register shall be cleared when register 3.2317 is read." to: "This bit shall self-clear when register 3.2317 is read."

In 45.2.3.75 Delete "Register 3.2313.15 shall be cleared when register 3.2317 is read.

Change Feature on PICS item RM134 from "Register 3.2313 is cleared when register 3.2317 is read." to "Bit 3.2313.15 self clears when register 3.2317 is read."

Delete PICS entries RM135 and RM136, associated with the entries in Table 45-243 and 45.2.3.75.

RATIONALE FOR REVISION:
In 45.2.3.74.1, the requirement for bit 3.2313.15 to self clear is misstated to indicate that the register self clears, not just bit 3.2313.15, which is what is described. 45.2.3.74.1 (3.2313.15) states: "This register shall be cleared when register 3.2317 is read." and it shouldn't be repeated, and also should refer to the bit, not the register. (2313.15 is a bit). This results in PICS item RM134 being mis-stated to clear register 3.2313, and not just bit 3.2313.15

The requirement that bit 3.2313.15 self clears is repeated 3 times. It is in 45.2.3.74.1 (the description of the bit), it is in Table 45-243 where the bit is described, and it is repeated again in 45.2.3.75, where register 3.2317 is.

802.3ch is editing this clause and covering the duplicates may be problematic. The shall is also duplicated in the definition of bit 3.2313.15 in Table 45-243.

IMPACT ON EXISTING NETWORKS: None.
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-reg@ieee.org

For official use

REV REQ NUMBER: 1327
DATE RECEIVED: 8 January 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#REQ1327