DATE: 19th Oct, 2007
NAME: Brett McClellan
COMPANY/AFFILIATION: Solarflare Communications
E-MAIL: bmcclellan@solarflare.com

REQUESTED REVISION:
STANDARD: IEEE Std 802.3an-2006
CLAUSE NUMBER: 48.2.5
CLAUSE TITLE: Management function requirements

PROPOSED REVISION TEXT:
Change "4.8.10 Receive local fault" to "4.8.11 Transmit local fault".

RATIONALE FOR REVISION:

Using the Receive local fault bit (4.8.10) to report the alignment status is inconsistent with the use of the terms 'transmit' and 'receive' in Clause 45.2.4 (PHY XS registers).

In subclause 45.2.4.8 the term 'transmit' is applied in the direction toward the PHY, and 'receive' is applied in the direction toward the RS. Lane alignment is performed in the transmit path of the PHY XS.

For consistency one of two changes must be made:
- either change Table 48-7 from "4.8.10 Receive local fault" to "4.8.11 Transmit local fault"
- or change the terms 'transmit' and 'receive' used in Clause 45.2.4 such that transmit indicates the direction toward the RS.

IMPACT ON EXISTING NETWORKS:

Unknown. The inconsistency may have created a variation of implementations.

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: 1195
DATE RECEIVED: 19th Oct, 2007
EDITORIAL/TECHNICAL
ACCEPTED/DENIED
BALLOT REQ'D YES/NO
COMMENTS: 08-Nov-06 Ver: D1.0 Status: R

For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1195