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|                  8802-3/802.3 REVISION REQUEST 1195         |      2
+=====================================================================+      3
                                                                            4
DATE:                19th Oct, 2007                                    5
NAME:                Brett McClellan                                   6
COMPANY/AFFILIATION: Solarflare Communications                        7
E-MAIL:              bmcclellan@solarflare.com                        8
                                                                            9
REQUESTED REVISION:                                                   10
   STANDARD:         IEEE Std 802.3an-2006                            11
   CLAUSE NUMBER:    48.2.5                                           12
   CLAUSE TITLE:     Management function requirements                 13
                                                                           14
PROPOSED REVISION TEXT:                                               15
                                                                           16
Change "4.8.10 Receive local fault" to "4.8.11 Transmit local fault".  17
                                                                           18
RATIONALE FOR REVISION:                                               19
                                                                           20
Using the Receive local fault bit (4.8.10) to report the alignment status  21
is inconsistent with the use of the terms 'transmit' and receive in   22
Clause 45.2.4 ( PHY XS registers ).                                   23
In subclause 45.2.4.8 the term 'transmit' is applied in the direction  24
toward the PHY, and 'receive' is applied in the direction toward the RS.  25
Lane alignment is performed in the transmit path of the PHY XS.       26
                                                                           27
For consistency one of two changes must be made:                      28
- either change Table 48-7 from "4.8.10 Receive local fault" to "4.8.11  29
Transmit local fault"                                                 30
- or change the terms 'transmit' and 'receive' used in Clause 45.2.4 such  31
that transmit indicates the direction toward the RS.                  32
                                                                           33
IMPACT ON EXISTING NETWORKS:                                          34
                                                                           35
Unknown. The inconsistency may have created a variation of            36
implementations.                                                      37
                                                                           38
+---------------------------------------------------------------------+     39
| Please attach supporting material, if any                           |     40
| Submit to:- Bob Grow, Chair IEEE 802.3                              |     41
|            E-Mail: Bob.Grow@intel.com                               |     42
|                                                                     |     43
|            +------- For official 802.3 use -----------+            |     44
|            | REV REQ NUMBER: 1195                     |            |     45
|            | DATE RECEIVED: 19th Oct, 2007            |            |     46
|            | EDITORIAL/TECHNICAL                      |            |     47
|            | ACCEPTED/DENIED                          |            |     48
|            | BALLOT REQ'D YES/NO                      |            |     49
|            | COMMENTS: 08-Nov-06 Ver: D1.0 Status: R  |            |     50
+------------+------------------------------------------+------------+     51
| For information about this Revision Request see -                   |     52
|http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1195 |     53
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        ISO/IEC 8802-3/IEEE Std.802.3 Revision Request. Subject to change.