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|                   8802-3/802.3 REVISION REQUEST 20XX                  |        2
+----------------------------========================================--+        3
                                                                                4
DATE:                   xxth Xxx, 20XX                                           5
NAME:                   David Law                                                6
COMPANY/AFFILIATION: HP Ltd                                                      7
E-MAIL:                 dlaw@hpe.com                                             8
                                                                                9
REQUESTED REVISION:                                                            10
   STANDARD:            IEEE Std 802.3-2015                                     11
   CLAUSE NUMBER:       90.7                                                    12
   CLAUSE TITLE:        Data delay measurement                                  13
                                                                               14
PROPOSED REVISION TEXT:                                                         15
                                                                               16
Add the text 'In the case of a multi-lane PHY, the receive path data           17
delay is measured from the input of the beginning of the SFD at the MDI        18
on the lane with the maximum MDI to MDI propagation delay.' to the end of      19
subclause 90.7.                                                                20
                                                                               21
RATIONALE FOR REVISION:                                                        22
                                                                               23
The reference point defined for the receive path is the input of the          24
beginning of the SFD at the MDI, however in the case of a multi-lane PHYs      25
there may have different media lane delays, resulting in differing            26
arrival times for the beginning of the SFD on each lane. Without a            27
definition of which lane of the MDI is used as the timing reference point     28
the, entire inter-lane skew may need to be accounted for in the receive       29
minimum and receive maximum path data delay register values, impacting        30
upon the timing accuracy that can be supported.                               31
                                                                               32
IMPACT ON EXISTING NETWORKS:                                                   33
                                                                               34
None. This will support improved timing accuracy in the future.               35
                                                                               36
+----------------------------------------------------------------------+        37
| Please attach supporting material, if any                            |        38
| Submit to:- David Law, Chair IEEE 802.3                              |        39
|  and copy:- Adam Healey, Vice-Chair IEEE 802.3                       |        40
|                                                                      |        41
| At:-         E-Mail: stds-802-3-maint-req@ieee.org                   |        42
|                                                                      |        43
|            +------- For official 802.3 use -----------+             |        44
|            | REV REQ NUMBER: 20XX                      |             |        45
|            | DATE RECEIVED: xxth Xxx, 20XX             |             |        46
|            | EDITORIAL/TECHNICAL                       |             |        47
|            | ACCEPTED/DENIED                           |             |        48
|            | BALLOT REQ'D YES/NO                       |             |        49
|            | COMMENTS: XX-Xxx-XX 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#REQ20XX |        53
+----------------------------------------------------------------------+        54
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