DATE: xxth Xxx, 20XX
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REQUESTED REVISION:
STANDARD: IEEE Std 802.3-2015
CLAUSE NUMBER: 90.7
CLAUSE TITLE: Data delay measurement

PROPOSED REVISION TEXT:
Add the text 'In the case of a multi-lane PHY, the receive path data delay is measured from the input of the beginning of the SFD at the MDI on the lane with the maximum MDI to MDI propagation delay.' to the end of subclause 90.7.

RATIONALE FOR REVISION:
The reference point defined for the receive path is the input of the beginning of the SFD at the MDI, however in the case of a multi-lane PHYs there may have different media lane delays, resulting in differing arrival times for the beginning of the SFD on each lane. Without a definition of which lane of the MDI is used as the timing reference point the, entire inter-lane skew may need to be accounted for in the receive minimum and receive maximum path data delay register values, impacting upon the timing accuracy that can be supported.

IMPACT ON EXISTING NETWORKS:
None. This will support improved timing accuracy in the future.

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

For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ20XX