Comment 249: Transmit and Receive Faults.

Proposed text:

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In Table 45-9 in 45.2.1.7.4, add row for 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, referencing 149.4.2.2

In Table 45-10 in 45.2.1.7.5, add row for 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1, referencing 149.4.2.3

149.4.2.2 PMA Transmit Function, Page 139 line 36 (149.4.2.2) add new 3rd paragraph:

The PMA Transmit fault function is optional. The faults detected by this function are implementation specific. If the MDIO interface is implemented, then this function shall be mapped to the transmit fault bit as specified in 45.2.1.7.4.

In PICS 149.11.4.3.2 PMA Transmit function, Page 178, add associated PICS item PMAT9 and renumber subsequent PICS:

PMAT9 | Transmit Fault mapping | 149.4.2.2 | Contribute to the transmit fault bit as specified in 45.2.1.7.4 | O | Yes[] N/A[]

149.4.2.3 PMA Receive Function – text is already there at P140 L10 – just needs the extra cross-reference, as shown:

The PMA Receive fault function is optional. The PMA Receive fault function is the logical OR of the link_status = FAIL and any implementation specific fault. If the MDIO interface is implemented, then this function shall contribute to the receive fault bit specified in 45.2.1.7.5 and 45.2.1.193.6.

In PICS 149.11.4.3.3 PMA Receive function, Page 178, add associated PICS item PMAR3:

PMAR3 | Receive Fault mapping | 149.4.2.3 | Contribute to the receive fault bit as specified in 45.2.1.7.5 and 45.2.1.193.6 | O | Yes[] N/A[]

Add row to Table 149-14 for Transmit Fault and modify row for Receive Fault as shown:

MDIO status variable	PMA register name	Register/bit number	PMA status variable
Transmit fault	Status register 2	1.8.11	PMA_transmit_fault
Receive fault	MultiGBASE-T1 PMA status register Status register 2	1.2310.1 1.8.10	PMA_receive_fault