

Clause 45 update

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IEEE 802.3ae
Clause 45



Clause 45 summary

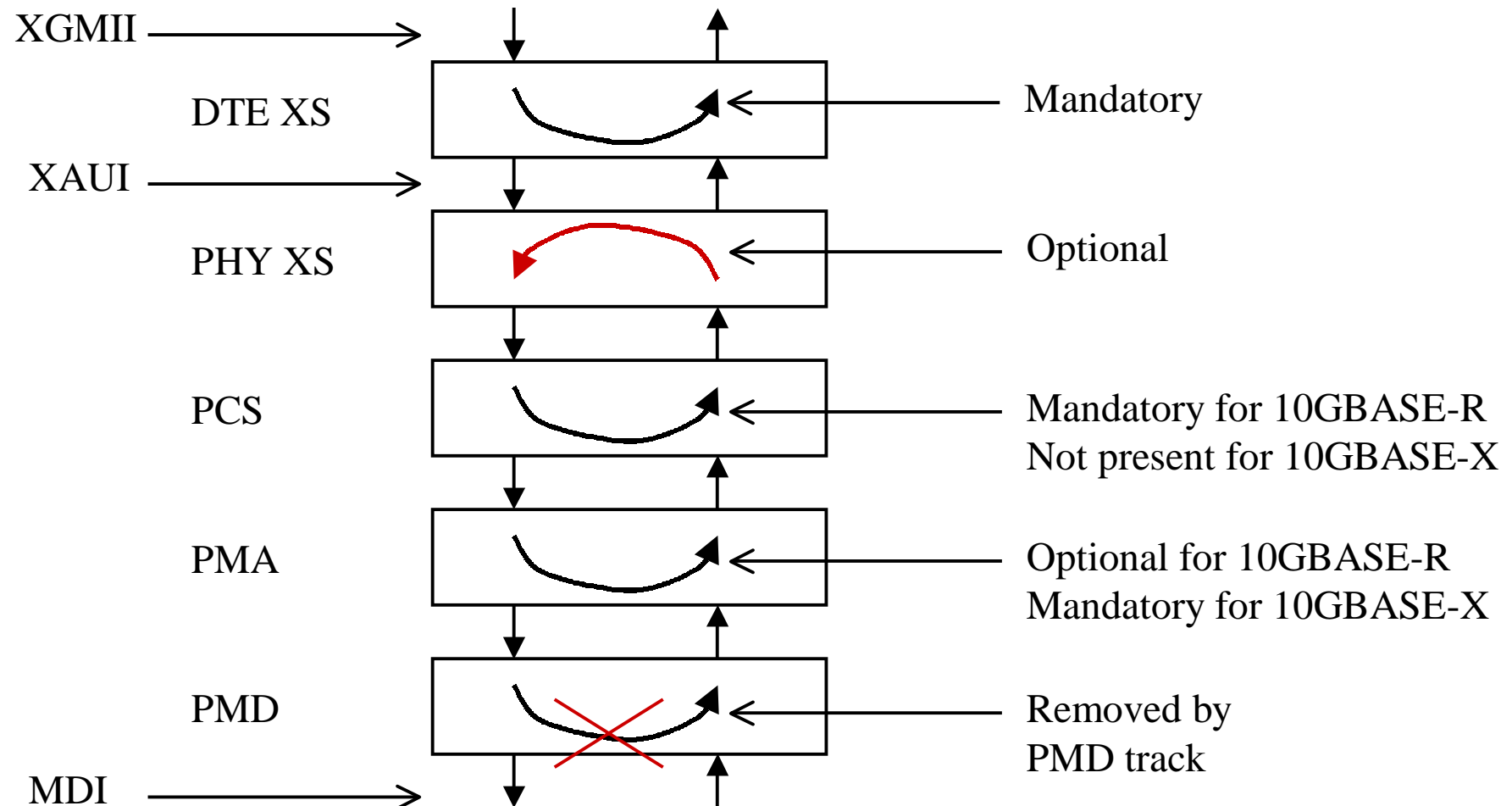
- 5 'TR', 7 'T', 11 'E'
- All but one 'T' resolved
- Loopback
 - Inconsistency between PHY XS loopback and all other MMD loopbacks.
 - Standard definition is that transmit is always from the MAC to the MDI and receive is always from the MDI to the MAC
 - But, PHY XS XAUI transmitter is in the receive direction
 - PHY XS loopback is now optional and is reversed compared to all other loopbacks.
 - i.e. it loops back from the receive path to the transmit path



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- Jitter
 - Control bits added for 10GBASE-X pattern testing
 - WIS pattern seed and counter registers removed
 - 10GBASE-R pattern testing not applicable when operating in 10GBASE-W mode
- Unresolved comment : ‘re-instate power down’
 - Power down removed from PMA/PMD at the last meeting by a TF vote
 - And also removed from all other MMDs by TF vote
 - TF vote required to resolve this comment since it would overturn the previous vote

