

Update – IEEE P802.3cw Optical Crosstalk Ad hoc

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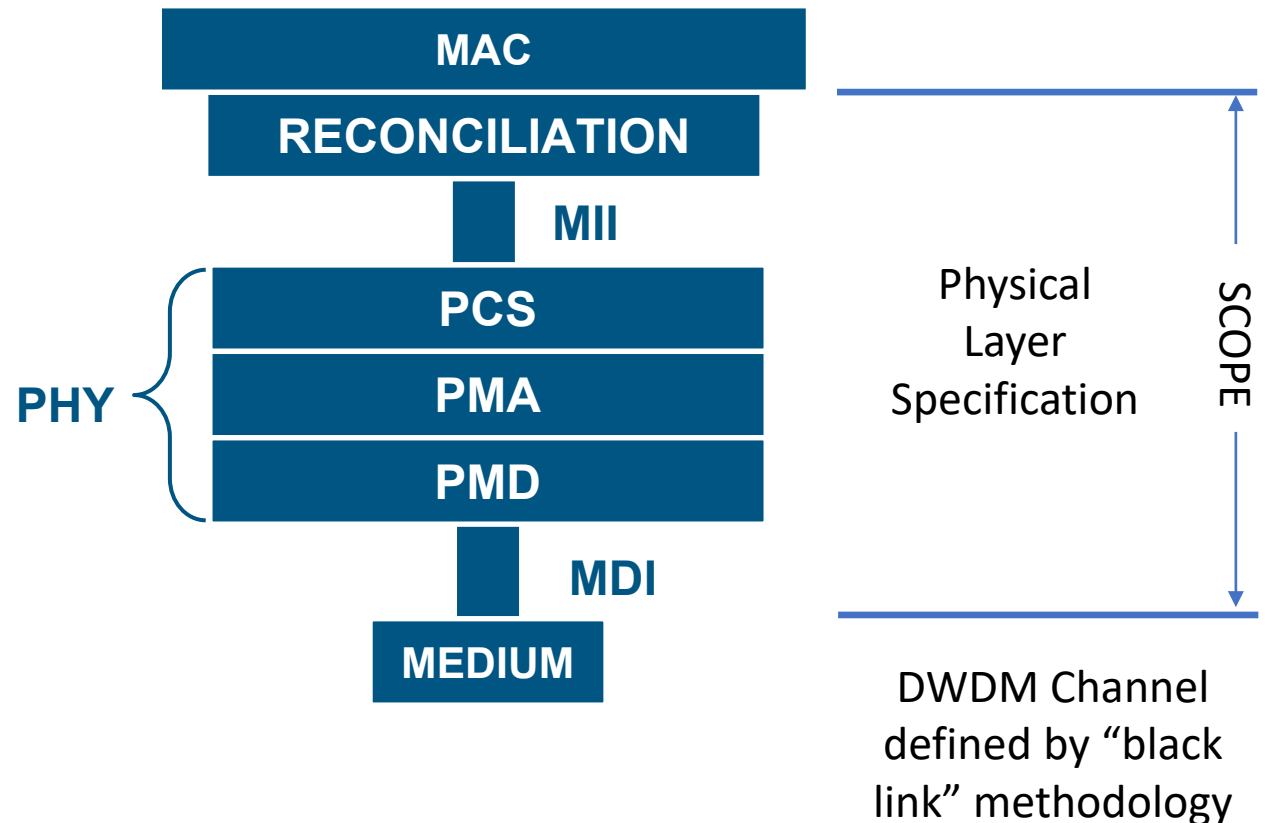
Joint IEEE P802.3ct / .3cw Joint TF Interim Teleconference Meeting

Overview

- Ad hoc Charter - Bring a proposal on “ how to specify the black link to address optical crosstalk and definition of the mux/demux related parameters” to the Dec 14 joint TF teleconference.
- Two Ad hoc Sessions
 - 02 Dec - https://www.ieee802.org/3/cw/public/adhoc/20_1202/index.html
 - 09 Dec - https://www.ieee802.org/3/cw/public/adhoc/20_1209/index.html

IEEE P802.3cw PAR Scope

- Define physical layer specifications and management parameters for the transfer of Ethernet format frames at 400 Gb/s at reaches greater than 10 km over DWDM systems.



Update

- Summary

- Mux / Demux is part of the medium and normative mux / demux specifications would not be in 802.3cw scope, but could use informative annexes
- Normative approach at black link TP2 / TP3 looks feasible
 - Building on proposal provided in https://www.ieee802.org/3/cw/public/adhoc/20_1209/maniloff_3cw_01_201209.pdf
- Potential for additional informative annexes (TBD)
- Concerns with definition of “black link”
- Debate about whether 802.3cw support bidirectional operation on a single fiber?
 - Per IEEE P802.3ct D3.0 –
1.4.237d DWDM system: An aggregate of DWDM links optically multiplexed and demultiplexed onto and off either a single optical fiber or a single optical fiber per direction.

- Recommendation - Recharter Ad hoc to refine Optical Xtalk Proposal

- Normative approach at black link TP2 / TP3
- Identify additional informative annexes