

Communication of Optical Crosstalk Specification Approach

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Important Starting Points

- Black Link Definition – Per Final Comment Response to #I-1 (IEEE P802.3ct D3.0)
 - black link: A multi-channel link specified using a methodology where the input, output, and transfer characteristics of the uni-directional transmission path between TP2 to TP3 for a given DWDM channel are specified, without specifying how the transmission path is implemented.
- This presentation is not intended to revisit direction of proposed methodology for specifying optical crosstalk, but to discuss how to effectively communicate it.

Current Drawing of “DWDM System” per IEEE P802.3ct D3.0

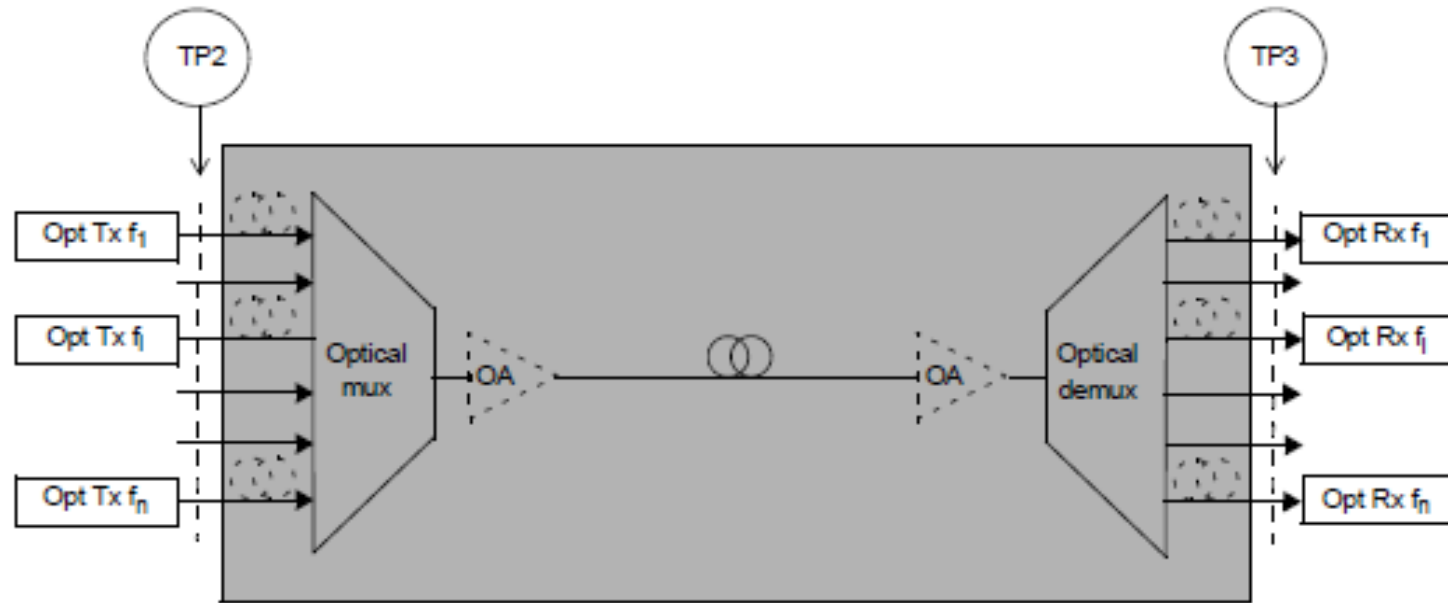
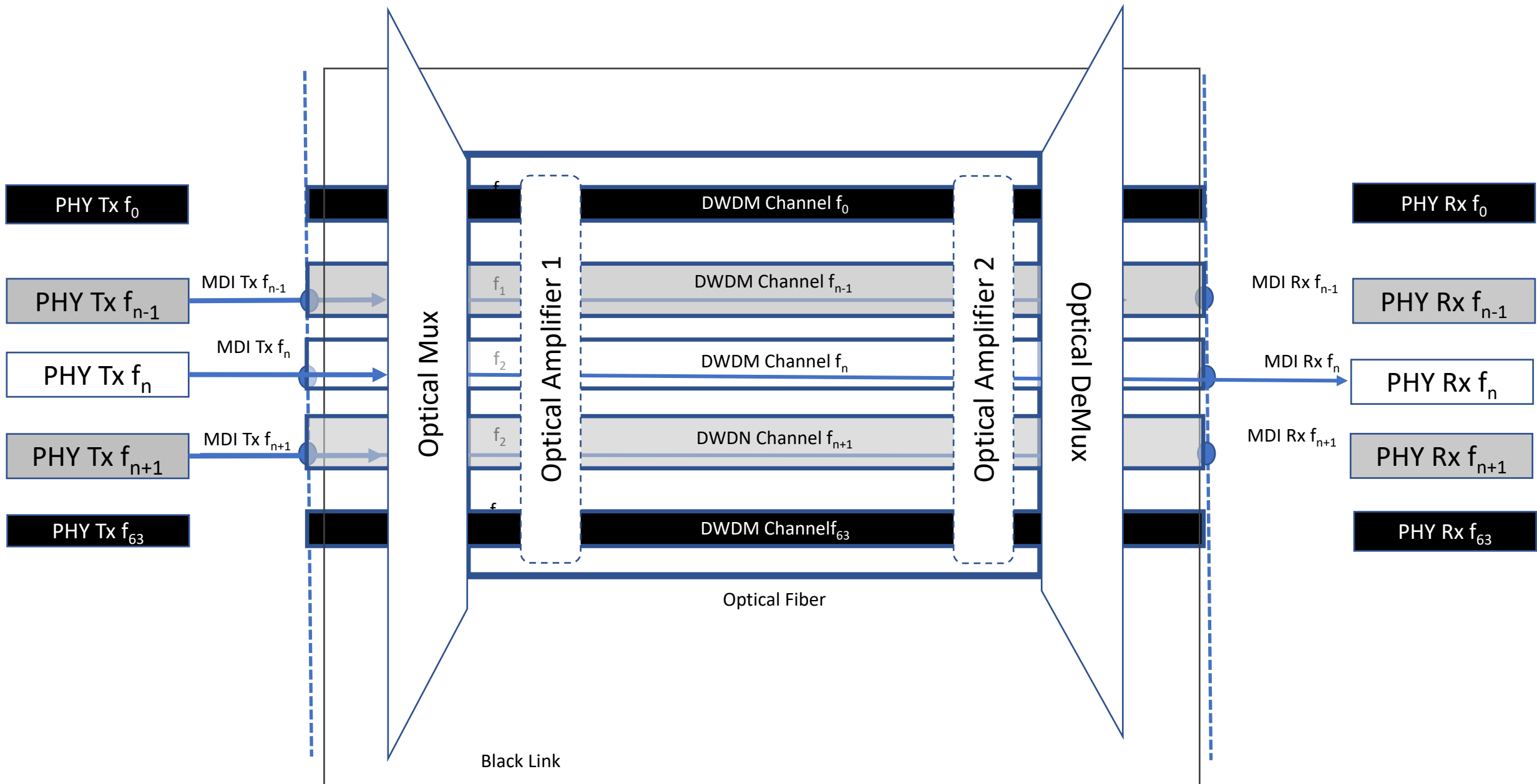
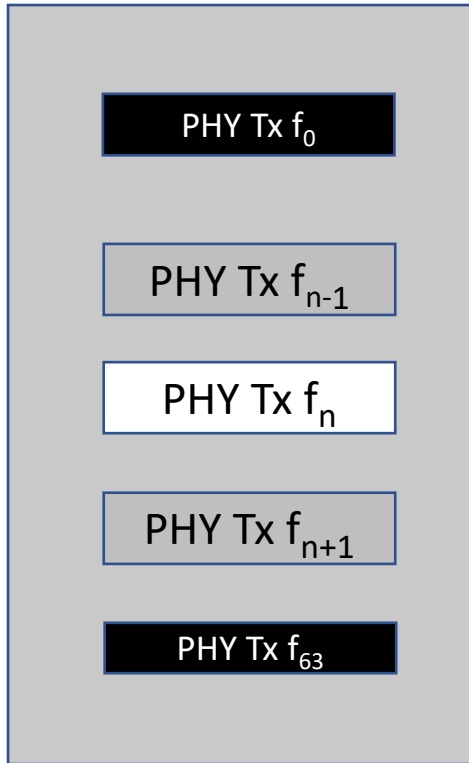


Figure 154-3—Example configuration of the black link approach



Thoughts on Channel Descriptions



- PHY Tx F_0 –
 - 1st channel
 - Not an aggressor to F_n – “black” to it
- PHY Tx F_{n-1}
 - Aggressor channel(s) below F_n
- PHY Tx F_n
 - Through channel
- PHY Tx F_{n+1}
 - Aggressor channel(s) below F_n
- PHY Tx F_{63}
 - 63rd channel
 - Not an aggressor to F_n – “black” to it