

Opportunity to Comment on IEEE P802.3bm/D3.0 - and Adaptive CTLE

Update 802.3bm to make clear that both adaptive and programmable CTLE options are acceptable (it isn't right now, only programmable mode is clearly defined).

-Add "Adaptive CTLE" support as a line item to 83E.5.4.4 (Module Input) PICS of type "O" (optional).

-Add an ability bit for "Adaptive CTLE" into Clause 45, preferably adjacent to the recommended peaking register location at 1.179.

-Proposed wording for the adaptive CTLE: " The adaptive module shall autonomously determine an initial CTLE gain setting immediately upon start-up . After start-up the module shall enter into a slow continuously adaptive mode, such that it is able track channel variations ".

- Update in the 802.3bm standard to capture and address any differences in compliance testing between the programmable and adaptive options, addressing our technical concerns about TP1 compliance range for programmable parts given in slide 11 ->

CAUI4 complaint module should demonstrate compliance to RX CTLE coefficient +/-2dB instead of current +/-1dB.

http://www.ieee802.org/3/bm/public/cuadhoc/meetings/apr24_14/mazzini_01_042414_caui.pdf

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