

802.3ct SIGNAL_DETECT Ad Hoc Summary

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Ad Hoc Summary

- Ad Hoc held July 24, 2020 to address comments related to SIGNAL_DETECT
- Reviewed proposed solution in
 - http://www.ieee802.org/3/ct/public/adhoc/20_0724/maniloff_3ct_01_200724.pdf

Comments related to Signal Detect

Comment list on this topic in 802.3ct D2.0:

111, 110, 69, 104, 105, 79, 80

Discussion

- There was a request that we add some text stating that a supplier could implement a custom implementation of Signal Detect allowing FAIL.
 - This is worth submitting as a comment on the D2.1 draft, since it doesn't align with any of our current comments.
- There were two other comments requesting modifications.
 - The first is that traditional signal detect may be functional for the unamplified application, with limits similar to a PON application (Clause 60 1000BASE-PX40). Questions were raised around what impact interchannel crosstalk could have on this.
 - The second is that Signal Detect would detect some faults regardless, such as a tail end amplifier fail.
 - There was agreement that we need more detail on these, and they should be submitted on the D2.1 draft.

Comments reviewed

- High level strategy and proposed comment response for an anchor comment were reviewed.
- Detail comment discussion deferred until July 30 teleconference.

Thanks!