

IEEE P802.3df Electrical Ad Hoc Report

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Electrical Track Ad Hoc Chair

Report

- Charter: The Electrical Ad Hoc is chartered to address the following:
 - 1) Act as forum to discuss and consider technical proposals and contributions:
 - a. Related to electrical interfaces and electrical PMD sublayers
 - b. Related to logic PCS, FEC, and PMA sublayers that may impact electrical interfaces and electrical PMD sublayers
 - c. Electrical interfaces and electrical PMD nomenclature
 - 2) Provide inputs based on electrical interfaces and electrical PMD sublayers into any relevant ad hocs
- 2 ad hoc calls since July 2018 meeting
 - 18 April 2022, 2 May 2022
 - 50+ attendees
 - 6 contributions presented
- Next meeting 13 June, 21 June :
 - Announced over the email reflector (see: <https://www.ieee802.org/3/df/email/elec/msg00025.html>)

Presentations

- Meeting minutes and presentation materials:
<https://www.ieee802.org/3/df/public/adhoc/electrical/index.html>
- 18 April 2022
 - “802.3df 800GBASE-CR8 Annex 162C/162D Table Revisions”, Chris Diminico
 - “200G/lane Electrical interfaces - system implications ”, Adee Ran
- 2 May 2022
 - “CI 73 AN Baseline Proposal and Future Considerations”, Kent Lusted
 - “802.3df considerations for test fixture specifications”, Chris Diminico
 - “200G/lane Host to Module Short Channels”, Femi Akinwale
 - “A Collection of Cabled Backplane Prototype Channels for 200Gb/s per lane for .3df PHY Type Development”, Rich Mellitz
- The contributions from Femi Akinwale and Rich Mellitz have channel files associated with them, which can be found on the [Tools and Channel](#) Data page

Straw Polls

- 18 April 2022
 - Straw Poll #1:
 - I am interested in C2M AUIs that would support the following form factors:
 - a. PCB host front panel pluggable
 - b. cabled-host front panel pluggable
 - c. co-package
 - d. near-package
 - (chicago rules)
 - Results: A: 50, B: 47, C: 38, D: 38
- 2 May 2022
 - Straw Poll #1:
 - I would support the Clause 73 changes for eight-lane 800GbE proposed in lusted_3df_elec_01a_220502 slides 8-9
 - Passed by unanimous consent

THANKS!