

IEEE P802.3df Optics April Ad Hoc Meetings Report

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Optical Track Ad Hoc Chair

Report

- Charter: The Optical Ad Hoc is chartered to address the following:
 - 1) Act as forum to discuss and consider technical proposals and contributions:
 - a. Related to optical PMD sublayers
 - b. Related to logic PCS, FEC, and PMA sublayers that may impact optical PMD sublayers
 - c. Optical PMD nomenclature
 - 2) Provide inputs based on optical PMDs into any relevant ad hocs
- Two ad hoc calls during April
 - 14 April 2022 & 28 April 2022
 - 60+ attendees
 - 4 contributions presented
- Meeting minutes and presentation materials:
https://www.ieee802.org/3/df/public/adhoc/optics/0422_OPTX/index.html
- Next ad hoc meetings in June cycle: June 9 & 27th <http://www.ieee802.org/3/calendar.html>

Presentations

- 14 April 2022
 - "FWM Analysis of PAM4 LR/ER PMDs" John Johnson, Broadcom
 - "Nomenclature: Part 2" Kent Lusted, Intel
- 28 April 2022
 - "Optics input into the FEC discussion" Mark Nowell, Cisco
 - "Nomenclature: Part 3" Kent Lusted, Intel

Straw Polls

	Straw poll #1	Straw Poll #2	Straw Poll #3
April 14th	I would support the proposed nomenclature for parallel 500m and duplex 2km SMF listed on lusted_3df_optx_01_220414, slide 8	For the 2km parallel SMF nomenclature, I would support the direction of: A. use “DR”, such as shown in Example A listed on lusted_3df_optx_01_220414, slide 11 B. use “FR”, such as shown in Example B listed on lusted_3df_optx_01_220414, slide 11	For the length (“LEN”) representation for the “DR” PMDs shown on lusted_3df_optx_01_220414, slide 11, I prefer the format: A. units in meters, e.g. “2000” B. units in km, e.g. “2” C. units in km plus showing units, e.g. “2km”
	Results: Y: 64 N: 0	Results: A: 44 B: 12	Results: A:5 B:36 C:22
April 28th	I would support the proposed nomenclature for the 500m and 2km SMF solutions listed on lusted_3df_optx_01a_220428, slide 3		
	Results: Y: 41 N: 8		

Net outcome: there appears to be consensus on the open nomenclatures (SMF PMDs) and a proposal for adoption will be made in line with above during May Interim. (Thanks Kent!!)

THANKS!