

IEEE P802.3df Task Force – optics Ad hoc

14 April 2022 Ad hoc Electronic Teleconference Meeting

Approved Meeting Minutes, Prepared by Mark Nowell

Meeting called to order at 10:01 am (all times ET) by Mark Nowell, who was chairing the meeting.

Chair noted that individuals should fill out IMAT information for attendance.

Presentation #1 Agenda and General Information

Presenter: Mark Nowell

URL: https://www.ieee802.org/3/df/public/adhoc/optics/0422_OPTX/agenda_3df_optx_adhoc_220414.pdf

The chair asked if there were any modifications for the agenda (See slide #2) – there were none.

There were no other objections to the approval of the agenda, and it was considered approved by unanimous consent.

Minutes – There were no minutes from previous meeting to approve

The chair noted an email had been sent out to the reflector reminding individuals to review the following IEEE SA policies-

- IEEE SA Participation Policy
- IEEE SA Copyright Policy
- IEEE SA Patent Policy

Chair asked if anyone needed any of these policies reviewed in-depth. There were no requests.

Chair presented the third slide (See Slide #25) of the IEEE SA Patent Policy slides. Chair did call for Potentially Essential Patents, and no one came forward.

Chair presented the second slide (See Slide #30) of the IEEE SA Copyright Policy slides. Chair noted – “By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.”

Chair presented the second slide (See Slide #34) of the IEEE SA Participation Policy slides. Chair noted – “Participants in the IEEE-SA “individual process” shall act independently of others, including employers. By participating in standards activities using the “individual process”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation.”

The chair reviewed meeting decorum. See Slide #3.

The chair reviewed voting. No motions, other than approval of agenda and minutes, will be heard. Anyone who feels qualified can vote in a straw poll.

The Chair noted that due to scheduling issues for the first presenter that we will review that presentation right away and come back to review some slides in the agenda presentation later.

Presentation #2 Nomenclature: Part 2

Presenter Kent Lusted

URL https://www.ieee802.org/3/df/public/adhoc/optics/0422_OPTX/lusted_3df_optx_01_220414.pdf

The material was reviewed and discussed. The following straw polls were taken:

Straw Poll #1

I would support the proposed nomenclature for parallel 500m and duplex 2km SMF listed on lusted_3df_optx_01_220414, slide 8

Results: Y: 64 N: 0

Straw Poll #2

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

Results: A: 44 B: 12

Straw Poll #3

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: A: 5 B: 36 C: 22

Note: lusted_3df_optx_01_220414 included a Straw Poll #4 but it was not taken due to lack of time.

Presentation #3 FWM Analysis of PAM4 LR/ER PMDs

Presenter John Johnson

URL https://www.ieee802.org/3/df/public/adhoc/optics/0422_OPTX/johnson_3df_optx_01_220414.pdf

The presentation was reviewed, and questions were answered

Chair reminded about future meetings.

Meeting adjourned at 12:00 pm.

Attendees (per IMAT)

Name	Employer	Affiliation
Bernier, Eric	Huawei Technologies Canada; Huawei Technologies Co., Ltd	Huawei Technologies Canada; Huawei Technologies Co., Ltd
Brown, Matthew	Huawei Technologies Canada	Huawei Technologies Canada
Bruckman, Leon	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Cassan, Dave	Alphawave	Alphawave
Chen, Chan	Applied Optoelectronics, Inc.	Applied Optoelectronics, Inc.

Choudhury, Golam	OFS	OFS
D'Ambrosia, John	Futurewei Technologies	Futurewei Technologies, U.S. Subsidiary of Huawei
Dawe, Piers J G	NVIDIA	Nvidia
Ewen, John	Marvell	Marvell
Ferretti, Vincent	Corning Incorporated	Corning Incorporated
FILIPPOU, DIMITRIS	12QS	12Q
Geng, Limin	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Ghiasi, Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC; Marvell Semiconductor, Inc.
Goodwill, Dominic	Huawei Technologies Canada; Huawei Technologies Co., Ltd	Huawei Technologies Canada; Huawei Technologies Co., Ltd
He, Xiang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Healey, Adam	Broadcom Inc.	Broadcom Inc.
Huang, Kechao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Isono, Hideki	Fujitsu Optical Components Limited	Fujitsu Optical Components Limited
Issenhuth, Tom	Issenhuth Consulting, LLC	Huawei Technologies Co., Ltd
Jackson, Kenneth	Sumitomo Electric Device Innovations, USA	Sumitomo Electric Industries, LTD
Johnson, John	Broadcom Corporation	Broadcom Corporation
Kareti, Upen	Cisco Systems, Inc.	Cisco Systems, Inc.
Kim, Kihong/Joshua	Hirose Electric (USA), Inc.	Hirose Electric (USA), Inc.
Klempa, Michael	University of New Hampshire InterOperability Laboratory (UNH-IOL)	Amphenol Corporation
Kondo, Taiji	MegaChips Corporation	Dexerials Corporation
Lambert, Angela	Corning Incorporated	Corning Incorporated
Lapierre, Dominic	EXFO Inc.	EXFO Inc.
Lewis, David	Lumentum Inc.	Lumentum Inc.
Li, Pei-Rong	MediaTek Inc.	MediaTek Inc.
Lusted, Kent	Intel Corporation	Intel Corporation
Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
Malicoat, David	Malicoat Networking Solutions	Malicoat Networking Solutions; SENKO Advanced Components
Maniloff, Eric	Ciena Corporation	Ciena Corporation
mi, guangan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Moorwood, Charles	Keysight Technologies	Keysight Technologies
Mu, Jianwei	Hisense	Hisense
Muller, Shimon	Enfabrica Corp.	Enfabrica Corp.
Murty, Ramana	Broadcom Inc.	Broadcom Corporation
Muth, Karlheinz	Broadcom Corporation	Broadcom Corporation
Nering, Raymond	Cisco Systems, Inc.	Cisco Systems, Inc.
Nicholl, Gary	Cisco Systems, Inc.	Cisco Systems, Inc.
Nowell, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.

Ofelt, David	Juniper Networks, Inc.	Juniper Networks, Inc.
Opsasnick, Eugene	Broadcom Inc.	Broadcom Inc.
PARK, CHUL SOO	Juniper Networks Inc.	Juniper Networks, Inc.
Parsons, Earl	CommScope, Inc.	CommScope, Inc.
Piehler, David	Dell Technologies	Dell
Quan, Yu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Rabinovich, Rick	Keysight Technologies	Keysight Technologies
Radhamohan, Rajeshmohan	MAXLINEAR INC	Cisco Systems, Inc.
Ran, Adee	Cisco Systems, Inc.	Cisco Systems, Inc.
Ren, Hao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Rodes, Roberto	II-VI	II-VI
Sakai, Toshiaki	Socionext Inc.	socionext
She, Qingya	Fujitsu Network Communications	Fujitsu Network Communications
Simms, William	NVIDIA Corporation	NVIDIA Corporation
Sommers, Scott	Molex LLC	Molex Incorporated
Son, Yung Sung	Optomind Inc	Optomind Inc
Sorbara, Massimo	GLOBALFOUNDRIES	GLOBALFOUNDRIES
Stassar, Peter	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
SU, CHANGZHENG	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Sun, Yi	OFS	OFS
Tailor, Bharat	Semtech Canada Corporation	Semtech Canada Corporation
Terada, Masaru	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
Thompson, lance	II-VI	II-VI
Wang, Ruoxu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Welch, Brian	Cisco Systems, Inc.	Cisco Systems, Inc.
Williams, Tom	Cisco Systems, Inc.	Cisco Systems, Inc.
Wu, Mau-Lin	MediaTek Inc.	MediaTek Inc.
Yin, Shuang	Google	Google
Young, James	CommScope, Inc.	CommScope
Zhuang, Yan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd