

IEEE P802.3dj Task Force – Joint Logic and Optics Ad hoc meeting

15 August 2023 Ad hoc Electronic Teleconference Meeting

Unapproved Meeting Minutes, Prepared by Mark Gustlin and Mark Nowell

Meeting called to order at 10:00 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/dj/public/adhoc/optics/0823_OPTX/agenda_3dj_optx_logic_01_230815.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.

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.

The chair reviewed meeting decorum. See Slide #3. Chair reminded participants to follow the decorum rules. Chair reminded participants of compliance with the IEEE Code of Ethics required by all participants.

Presentation #2 FEC Bypass: Procedural Considerations

Presenter John D'Ambrosia

URL https://www.ieee802.org/3/dj/public/adhoc/optics/0823_OPTX/dambrosia_3dj_optx_01b_230815.pdf

The material was reviewed and discussed. Updated the straw poll, updated presentation has been updated.

Straw Poll:

I would support adding objectives to support physical layer specifications based on only RS544 FEC for:

1. Single wavelength 500m and 2km optical PMDs:

- 200GBASE-DR1, 200GBASE-FR1, 400GBASE-DR2, 400GBASE-DR2-2, 800GBASE-DR4, 800GBASE-DR4-2, 1.6TBASE-DR8, and 1.6TBASE-DR8-2

2. Four-wavelength 2km PMDS:

- 800GBASE-FR4

1. Yes: 30 No: 26 Abstain:16
2. Yes:20 No: 34 Abstain:18

Presentation #3 Performance Evaluation of Inner FEC Synchronization Methods

Presenter Xiang He

URL https://www.ieee802.org/3/dj/public/adhoc/optics/0823_OPTX/he_3dj_logic_01_230815.pdf

The material was reviewed and discussed.

Presentation #4 Specifying BER in PMD clauses

Presenter Adee Ran

URL https://www.ieee802.org/3/dj/public/adhoc/optics/0823_OPTX/ran_3dj_optx_01_230815.pdf

The material was reviewed and discussed.

Presentation #5 DGDmax specification for 10km Ethernet

Presenter Maxim Kushnerov

URL https://www.ieee802.org/3/dj/public/adhoc/optics/0823_OPTX/kushnerov_3dj_optx_01_230815.pdf

Presentation #5 was not reviewed due to lack of time. The Presenter agreed to defer this contribution to the next ad hoc meeting on Aug 29th

Future Meetings:

August 29th, 10am ET

Deadline dates:

Agenda request deadline (5pm PT): Wed Aug 23rd

Contribution submission deadline (5pm PT): Fri Aug 25th

Meeting adjourned at 1:00pm ET

Attendees (per IMAT)

Name	Employer	Affiliation
Bernier, Eric	Huawei Technologies Canada Co., Ltd.	Huawei Technologies Canada Co., Ltd.
Brooks, Paul	Viavi solutions GmbH	Viavi Solutions

Bruckman, Leon	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Cai, Yuefeng	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Calvin, John	Keysight Technologies	Keysight Technologies
Chang, Yongmao	Inphi Corporation	Source Photonics
Chappell, Neveia	Keysight Technologies	Keysight Technologies
Chen, Chan	Self Employed	Independent/AOI
Cox, Ian		Broadcom Corporation
D'Ambrosia, John	Futurewei Technologies, U.S. Subsidiary of Huawei	Futurewei Technologies, U.S. Subsidiary of Huawei
Dawe, Piers J G	NVIDIA	Nvidia
de Koos, Andras	Microchip Technology Inc	Microchip Technology, Inc.
Del Vecchio, Peter		Broadcom Corporation
Dudek, Michael	Marvell	Marvell
Ferretti, Vincent	Corning Incorporated	Corning Incorporated
Gao, Xiangrong	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Geng, Limin	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Ghiasi, Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC; Marvell Semiconductor, Inc.
Gui, Tao		Huawei Technologies Co., Ltd
Gustlin, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
Harstead, Ed	Nokia	Nokia
He, Xiang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Healey, Adam	Broadcom Inc.	Broadcom Inc.
Heck, Howard	Intel	Intel
Hidaka, Yasuo	Credo Semiconductor	Credo Semiconductor
Huang, Kechao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Huber, Thomas	Nokia	Nokia
Hutchins, Jeff	Ranovus	Ranovus
Isono, Hideki	Fujitsu Optical Components Limited	Fujitsu Optical Components Limited
Issenhuth, Tom	Issenhuth Consulting, LLC	Huawei Technologies Co., Ltd
Jackson,	Sumitomo Electric Industries, LTD	Sumitomo Electric Industries, LTD

Kenneth		
Jiang, Chendi	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Johnson, John	Broadcom Corporation	Broadcom Corporation
Kareti, Upen	Cisco Systems, Inc.	Cisco Systems, Inc.
Kim, Inho	MaxLinear	MaxLinear
Kim, Kihong/Joshua	Hirose Electric (USA), Inc.	Hirose Electric (USA), Inc.
Klempa, Michael	Alphawave Semi	Alphawave Semi
Kuschnerov, Maxim	Huawei Technologies Duesseldorf GmbH	Huawei Technologies Duesseldorf GmbH
Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Li, Pei-Rong	MediaTek Inc.	MediaTek Inc.
Liu, Karen	Nubis Communications	Nubis Communications
LIU, XIANG		Huawei Technologies Co., Ltd
Lusted, Kent	Intel	Intel
Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
Malicoat, David	Malicoat Networking Solutions	Malicoat Networking Solutions; SENKO Advanced Components
Marris, Arthur	Cadence Design Systems, Inc.	Cadence Design Systems, Inc.
Mellitz, Richard	Samtec, Inc.	Samtec, Inc.
mi, guangcan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Mohajeri, Hessam	Ensphere Solutions	HM Consulting
Muller, Shimon	Enfabrica Corp.	Enfabrica
MURAKAMI, YUKI	FUJITSU LIMITED	Fujitsu Limited
Muth, Karlheinz	Broadcom Corporation	Broadcom Corporation
Nering, Raymond	Cisco Systems, Inc.	Cisco Systems, Inc.
Nowell, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
Ofelt, David	Juniper Networks, Inc.	Juniper Networks, Inc.
Palkert, Thomas	Macom, Samtec	Samtec-Macom

PARK, CHUL SOO	Juniper Networks Inc.	Juniper Networks, Inc.
peng, semmy		Huawei Technologies Co., Ltd
Piehler, David	Dell Technologies	Dell
Ran, Adee	Cisco Systems, Inc.	Cisco Systems, Inc.
Rechtman, Zvi	NVIDIA	NVIDIA
Ren, Hao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Sakai, Toshiaki	Socionext Inc.	socionext
Shoval, Ayal	Synopsys, Inc.	Synopsys, Inc.
Sikkink, Mark	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Simms, William	NVIDIA Corporation	NVIDIA Corporation
Sinn, Peter		Alphawave IP
Sommers, Scott	Molex LLC	Molex Incorporated
Sorbara, Massimo	GLOBALFOUNDRIES	GLOBALFOUNDRIES
Sprague, Edward	Infinera Corporation	Infinera Corporation
Stassar, Peter	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
TAN, SISI	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Tracy, Nathan	TE Connectivity	TE Connectivity
Tran, Viet	Keysight Technologies	Keysight Technologies
Ulrichs, Ed	Intel	Intel
Whiteman, Cameron	Infinera Corporation	Infinera Corporation
Xu, Yu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Yin, Shuang		Google