

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

22 January 2024 Ad hoc Electronic Teleconference Meeting

Unapproved Meeting Minutes, Prepared by Gary Nicholl, Mark Nowell and Kent Lusted

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 and fill in their affiliation on Webex.

Presentation #1	Agenda and General Information
Presenter	Mark Nowell
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0224_OPTX/agenda_3dj_optx_logic_01b_240222.pdf

Chair noted that the 22 January meeting will be a joint 3dj logic/optical ad-hoc meeting

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

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

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.

There were no previous ad-hoc minutes to approve (14 December 2023 minutes were approved during the January plenary)

Chair reminded people that no future ad-hoc meetings are scheduled at this time. Additional ad-hoc meetings will be scheduled between March and May meetings.

John D'Ambrosia, P802.3dj TF Chair, noted that the editorial team is in the process of generating D0.2 of P802.3dj (capturing all of the adopted baselines to date) for the March meeting and may reach out to certain individuals (e.g. baseline proposers/champions) looking for preliminary feedback. He strongly requested that those individuals support the editorial team in this effort to reduce any mistakes in the initial adaptation of the powerpoint proposals into the draft document.

Presentation #2	The increasing implementation cost due to chromatic dispersion in duplex optical PHYs
Presenter	John Johnson
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0224_OPTX/johnson_3dj_optx_01_240222.pdf

The material was reviewed and discussed.

Presentation #3	Datacenter Fiber and Cabling Standards Insights
Presenter	Vince Ferretti
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0224_OPTX/ferretti_3dj_optx_01_240222.pdf

The material was reviewed and discussed.

Presentation #4	Statistics of CD Parameters: Modeling and Experiments
Presenter	Joe Castro
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0224_OPTX/castro_3dj_optx_01_240222.pdf

The material was reviewed and discussed.

Presentation #5	Further analysis of G.652 & G.657 chromatic dispersion coefficients
Presenter	Peter Stassar
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0224_OPTX/stassar_3dj_optx_01_240222.pdf

The material was reviewed and discussed.

The chair noted that the liaison response to the ITU-T based on the fiber dispersion topic will be generated out of the March meeting and that he will be working with Peter Stassar to create the draft and asked for others who were interested to reach out to him.

Chair reminded participants to sign into the IEEE Meeting and Attendance.

Presentation #6	Notes on interleaving of codewords
-----------------	------------------------------------

Presenter	Omar Stella
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0224_OPTX/sella_3dj_optx_01a_240222.pdf

The material was reviewed and discussed.

Presentation #7	Chromatic Dispersion for the 800G LR4 Baseline Based on refined SMF channel model
Presenter	Roberto Rodes
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0224_OPTX/rodes_3dj_optx_01a_240222.pdf

The chair noted that presentation #7 was a late contribution and asked if there was any opposition to reviewing the contribution. No one responded.

The material was reviewed and discussed.

Chair reminded participants to sign into the IEEE Meeting and Attendance.

John D'Ambrosia, P802.3df/.3dj Task Force Chair, reminded participants that presentation requests for the upcoming March plenary meeting are due on Thursday, 29 February (AOE) with final presentations due Monday, March 4 (AOE) and that attendance of the March meeting (either remote or in person) requires registration and a meeting fee.

He also noted that a joint IEEE/ITU workshop was being planned for the Saturday before the July 802.3 plenary meeting in Montreal. The agenda is being developed but topics like the fiber dispersion one would be prime candidates.

Meeting adjourned at 12:47 pm ET.

Attendees

Name	Employer	Affiliation
Bernier, Eric	Huawei Technologies Canada Co., Ltd.	Huawei Technologies Canada Co., Ltd.
Bovington, Jock	Cisco Systems, Inc.	Cisco Systems, Inc.
Brown, Matthew	Alphawave	Alphawave
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
Castro, Jose	Panduit	Panduit Corp.
Chang, Yongmao	Inphi Corporation	Source Photonics
Chappell, Neveia	Keysight Technologies	Keysight Technologies
Choudhury, Golam	OFS	OFS
D'Ambrosia, John	Futurewei Technologies, U.S. Subsidiary of Huawei	Futurewei Technologies, U.S. Affiliate of Huawei
Dawe, Piers J G	NVIDIA	Nvidia
de Koos, Andras	Microchip Technology Inc	Microchip Technology, Inc.
Del Vecchio, Peter		Broadcom Corporation
Didde, Stephen	Keysight Technologies	Keysight Technologies
Dudek, Michael	Marvell	Marvell
Erven, Chad	Semtech Ltd	Semtech Ltd
Fan, Qirui		Huawei Technologies Co., Ltd
Ferretti, Vincent	Corning Incorporated	Corning Incorporated
Ghiasi, Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC; Marvell Semiconductor, Inc.
Gui, Tao		Huawei Technologies Co., Ltd
Han, Ruibo	China Mobile Communications Corporation (CMCC)	China Mobile Communications Corporation (CMCC)
Harstead, Ed	Nokia	Nokia
Healey, Adam	Broadcom Inc.	Broadcom Inc.
Heck, Howard	Intel	Intel
Huang, Kechao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Huber, Thomas	Nokia	Nokia
Issenhuth, Tom	Issenhuth Consulting, LLC	Huawei Technologies Co., Ltd
Jackson, Kenneth	Sumitomo Electric Industries, LTD	Sumitomo Electric Industries, LTD
Johnson, John	Broadcom Corporation	Broadcom Corporation
Kikuchi, Nobuhiko		Hitachi, Ltd.
Kim, Kihong/Joshua	Hirose Electric (USA), Inc.	Hirose Electric (USA), Inc.
Kocsis, Sam	Amphenol Corporation	Amphenol Corporation
Lambert, Angela	Corning Incorporated	Corning Incorporated
Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Li, Pei-Rong	MediaTek Inc.	MediaTek Inc.
Little, Terrance	Foxconn Electronics Inc.	Foxconn Electronics Inc.
Liu, Cathy	Broadcom Corporation	Broadcom Corporation
LIU, XIANG		Huawei Technologies Co., Ltd
Louchet, Hadrien	Keysight Technologies	Keysight Technologies
Lusted, Kent	Intel	Intel

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,guangcan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Mitcheltree,Tom	US Conec, Ltd.	US Conec, Ltd.
Moorwood,Charles	Keysight Technologies	Keysight Technologies
Muhigana,Ernest		Lumentum
Muller,Shimon	Enfabrica Corp.	Enfabrica
Murty,Ramana	Broadcom Inc.	Broadcom Corporation
Muth,Karlheinz	Broadcom Corporation	Broadcom Corporation
Naderi Shahi,Sina		Marvell
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.
Palkert,Thomas	Macom, Samtec	Samtec-Macom
PARK,CHUL SOO	Juniper Networks Inc.	Juniper Networks, Inc.
Parsons,Earl	CommScope, Inc.	CommScope, Inc.
Pepper,Gerald	Keysight Technologies	Keysight Technologies
Ran,Adee	Cisco Systems, Inc.	Cisco Systems, Inc.
Rechtman,Zvi	NVIDIA	NVIDIA
Ren,Hao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Rodes,Roberto	II-VI	II-VI
Sakai,Toshiaki	Socionext Inc.	socionext
Sella,Omer		Imperial College London
Sheffi,Nir	Alphawave	Alphawave
Sikkink,Mark	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Simms,William	NVIDIA Corporation	NVIDIA Corporation
Sommers,Scott	Molex LLC	Molex Incorporated
Son,Yung Sung	Optomind Inc	Optomind Inc
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
Tartaglia,Antonio	Ericsson AB	Ericsson AB
Toyserkani,Pirooz	Cisco Systems, Inc.	Cisco Systems, Inc.
Tracy,Nathan	TE Connectivity	TE Connectivity
Tran,Viet	Keysight Technologies	Keysight Technologies
Whiteman,Cameron	Infinera Corporation	Infinera Corporation
Williams,Tom	Cisco Systems, Inc.	Cisco Systems, Inc.
Yin,Shuang		Google