

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

13 April 2023 Ad hoc Electronic Teleconference Meeting

Approved Meeting Minutes, Prepared by Mark Gustlin and 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/0423\\_OPTX/agenda\\_3dj\\_optx\\_01\\_230413.pdf](https://www.ieee802.org/3/dj/public/adhoc/optics/0423_OPTX/agenda_3dj_optx_01_230413.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 – The previous P802.3dj optics ad hoc meeting minutes from February 2023 were approved at the March P802.3df/dj plenary meeting. There were no minutes 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.

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 MAC link latency considerations

Presenter Matt Brown

URL [https://www.ieee802.org/3/dj/public/adhoc/optics/0423\\_OPTX/brown\\_3dj\\_optx\\_01c\\_230413.pdf](https://www.ieee802.org/3/dj/public/adhoc/optics/0423_OPTX/brown_3dj_optx_01c_230413.pdf)

The material was reviewed and discussed.

Matt added a contributor's list (this is the only change).

Errors on the math in slide 7 were pointed out, Matt will correct the math and update the slide. (Updated version is 01c)

Presentation #3	RS Codeword Interleaving Analysis for 200 GE and 400 GE
Presenter	Xiang He

URL	<a href="https://www.ieee802.org/3/dj/public/adhoc/optics/0423_OPTX/he_3dj_optx_01a_230413.pdf">https://www.ieee802.org/3/dj/public/adhoc/optics/0423_OPTX/he_3dj_optx_01a_230413.pdf</a>
-----	---

The material was reviewed and discussed.

Presentation #4 SMF Channel Dispersion Penalty Specification Proposal

Presenter Chris Cole

URL [https://www.ieee802.org/3/dj/public/adhoc/optics/0423\\_OPTX/cole\\_3dj\\_optx\\_01\\_230413.pdf](https://www.ieee802.org/3/dj/public/adhoc/optics/0423_OPTX/cole_3dj_optx_01_230413.pdf)

The material was reviewed and discussed.

General feedback was to explain how this proposal maps into IEEE specification methodology.

Chair noted that extended Q&A on previous presentations had left not enough time to properly review the remaining two contributions. Chair asked both presenters if they could provide a brief summary of their contribution today and that they would be top of the agenda on the next ad hoc meeting on 4/27. Both presenters agreed.

Chair also noted that the duration for the next ad hoc would be extended to 3 hrs.

Presentation #5 Towards an 800G-LR4 IMDD Specification

Presenter Roberto Rodes

URL [https://www.ieee802.org/3/dj/public/adhoc/optics/0423\\_OPTX/rodes\\_3dj\\_optx\\_01\\_230413.pdf](https://www.ieee802.org/3/dj/public/adhoc/optics/0423_OPTX/rodes_3dj_optx_01_230413.pdf)

Just a quick overview of the material was presented with no Q&A. A full presentation will be made in the next ad hoc.

Presentation #6 oFEC-based 800GBASE-LR1/ER1 proposal with Synchronous Mapping

Presenter Gary Nicholl

URL [https://www.ieee802.org/3/dj/public/adhoc/optics/0423\\_OPTX/nicholl\\_3dj\\_optx\\_01\\_230413.pdf](https://www.ieee802.org/3/dj/public/adhoc/optics/0423_OPTX/nicholl_3dj_optx_01_230413.pdf)

Just a quick overview of the material was presented with no Q&A. A full presentation will be made in the next ad hoc.

## Future Meetings:

Chair reminded that the next joint Optics and Logic ad hoc will be April 27<sup>th</sup>, 7-10am PT

<https://www.ieee802.org/3/calendar.html>

Presentation request deadline is 4/21 and contribution deadline is 4/25.

Chair pointed the group to a leadership presentation made during the electrical ad hoc which addresses some of the schedule challenges around adopting baselines. He encouraged people that hadn't seen the presentation to review it:

[https://www.ieee802.org/3/dj/public/adhoc/electrical/23\\_0406/dambrosia\\_3dj\\_elec\\_230406.pdf](https://www.ieee802.org/3/dj/public/adhoc/electrical/23_0406/dambrosia_3dj_elec_230406.pdf)

Meeting adjourned at 11:58am ET

## Attendees (per IMAT)

Name	Employer	Affiliation
Akbaba, Enis	Analog Devices Inc.	Self Employed
Beauregard, Francois	Belden Canada ULC	Belden
Bernier, Eric	Huawei Technologies Canada Co., Ltd.	Huawei Technologies Canada Co., Ltd.
Bruckman, Leon	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Calvin, John	Keysight Technologies	Keysight Technologies
Cassan, Dave	Alphawave	Alphawave
Chang, Yongmao	Inphi Corporation	Source Photonics
Chappell, Neveia	Keysight Technologies	Keysight Technologies
cheng, weiqiang	China Mobile Limited	China Mobile Limited
Choudhury, Golam	OFS	OFS
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
Didde, Stephen	Keysight Technologies	Keysight Technologies
Dudek, Michael	Marvell	Marvell
Ewen, John	Marvell	None - Self-funded
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
Issenhuth, Tom	Issenhuth Consulting, LLC	Huawei Technologies Co., Ltd
Jackson, Kenneth	Sumitomo Electric Industries, LTD	Sumitomo Electric Industries, LTD
Jiang, Chendi	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Jiang, Chenhui		Sicoya GmbH
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.
Kimber, Eric	Semtech Ltd	Semtech Ltd
Klempa, Michael	Alphawave Semi	Alphawave IP
Koch, Lavi		Lavi Koch Nvidia
Kocsis, Sam	Amphenol Corporation	Amphenol Corporation
Koehler, Daniel	MorethanIP	Synopsys, Inc.
Kondo, Taiji	MegaChips Corporation	Dexerials Corporation
Kota, Kishore	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Le Cheminant, Greg	Keysight Technologies	Keysight Technologies
Li, Mike-Peng	Intel	Intel
Li, Pei-Rong	MediaTek Inc.	MediaTek Inc.
Liu, Cathy	Broadcom Corporation	Broadcom Corporation
Liu, Karen	Nubis Communications	Nubis Communications
LIU, XIANG		Huawei Technologies Co., Ltd
Lusted, Kent	Intel	Intel
Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
Maniloff, Eric	Ciena Corporation	Ciena Corporation
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
Moorwood, Charles	Keysight Technologies	Keysight Technologies
Mu, Jianwei		Hisense
Muller, Shimon	Enfabrica Corp.	Enfabrica
MURAKAMI, YUKI		Fujitsu Limited
Murty, Ramana	Broadcom Inc.	Broadcom Corporation
Muth, Karlheinz	Broadcom Corporation	Broadcom Corporation
Nering, Raymond	Cisco Systems, Inc.	Cisco Systems, Inc.
Nowell, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
Omori, Kumi	NEC Corporation	NEC Corporation
Opsasnick, Eugene	Broadcom Inc.	Broadcom Inc.
Palkert, Thomas	Macom,&nbsp;Samtec	Samtec-Macom
PARK, CHUL SOO	Juniper Networks Inc.	Juniper Networks, Inc.
Parkholm, Ulf	Telefon AB LM Ericsson	Telefon AB LM Ericsson
Parsons, Earl	CommScope, Inc.	CommScope, Inc.
peng, semmy		Huawei Technologies Co., Ltd
Piehler, David	Dell Technologies	Dell
Rabinovich, Rick	Keysight Technologies	Keysight Technologies
Ran, Adee	Cisco Systems, Inc.	Cisco Systems, Inc.
Ren, Hao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Riani, Jamal		Marvell Semiconductor, Inc.
Rodes, Roberto	II-VI	II-VI
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
Sluyski, Mike		Cisco Systems, Inc.
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

Terada, Masaru	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
Tracy, Nathan	TE Connectivity	TE Connectivity
Wang, Haojie	China Mobile Communications Corporation (CMCC)	China Mobile Communications Corporation (CMCC)
Wang, Ruoxu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Weaver, James	Arista Networks	Arista Networks
Weber, Markus	socionext	Acacia Communications
Whiteman, Cameron	Infinera Corporation	Infinera Corporation
Williams, Tom	Cisco Systems, Inc.	Cisco Systems, Inc.
Wingrove, Michael	Ciena Corporation	Ciena Corporation
Wong, Henry		Alphawave Semi
Wu, Mau-Lin	MediaTek Inc.	MediaTek Inc.
Yin, Shuang		Google
Zhang, Bo	Marvell Technology, Inc	Marvell Technology, Inc
Zhou, Xiang		Google
Zhuang, Yan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd