

IEEE P802.3dj Task Force – Joint Electrical, Optical and Logic Ad hoc meeting

09 January 2025 Ad hoc Electronic Teleconference Meeting

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

Meeting called to order at 10:00 am (all times ET) by Mark Nowell, who was chairing the meeting.

The chair reminded participants to declare their affiliation on Webex. Failure to do so would result in expulsion from the meeting.

Presentation #1	Agenda and General Information
Presenter	Mark Nowell
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0125_OPTX/agenda_3dj_optx_logic_elec_01_250109.pdf

The chair asked if there were any modifications to 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 asked if there were any corrections to the minutes for the joint logic and optical ad hoc call on 19 December 2024 (https://www.ieee802.org/3/dj/public/adhoc/optics/1224_OPTX/minutes_3dj_optx_241219_unapproved.pdf). There were corrections to the posted minutes with a typo reference to November 2024. Chair asked if there was objection to approving the minutes with the mentioned changes. No one responded. The minutes were 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.

The chair asked if any clarification is needed on IEEE SA Policies. There was none.

The chair reminded participants to declare their affiliation on Webex.

The chair noted that individuals should fill out IMAT information for attendance. No code for today.

Chair reminded participants that presentation requests are due 9 Jan 2025 AOE. The chair reminded participants that presentations for the January 2025 Interim meeting are due by **13 Jan 2025 AOE** (see John's email <https://www.ieee802.org/3/B400G/email/msg01357.html>).

Updated version 01a. editorial.

Presentation #2	Open TBDs in D1.3
Presenter	Kent Lusted, Synopsys

URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0125_OPTX/lusted_3dj_optx_01a_250109.pdf
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The material was reviewed and discussed.

Presentation #3	Block Error Ratio Measurements for PMD Receive Lane
Presenter	Richard Barrie, Alphawave Semi
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0125_OPTX/barrie_3dj_optx_01a_250109.pdf

Author noted that both AUI and PMD use the EPF channel model on slide 9. There was an error on slide 10. Author would provide an updated version '01a' with the correction. The material was reviewed and discussed.

Prior to the start of the presentation, the author noted an updated version '01a' with one additional page of content.

Presentation #4	Proposed update of Coefficient initial conditions (Table 179-8 and Table 176D-8)
Presenter	Bill Simms, Nvidia
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0125_OPTX/simms_3dj_optx_01a_250109.pdf

The material was reviewed and discussed.

Presentation #5	Proposed update of electrical parameters of DME
The material was reviewed and discussed. Presenter	Bill Simms, Nvidia
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0125_OPTX/simms_3dj_optx_02a_250109.pdf

Author noted an error on slide 4 and would provide an updated version '02a'.

The material was reviewed and discussed.

Chair reminded participants to sign into IMAT for meeting attendance credit.

Chair asked if there was opposition to swapping the order of the David Gines and Tom Huber presentation due to presenter availability. No one responded. The order was swapped.

An updated version of Presentation #6 was uploaded before it was given.

Presentation #6	Improvements to 12 Edge Jitter operations, JHrms and J4u with attention to making these measurements less dependent on channel induced amplification
Presenter	David Gines, Keysight
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0125_OPTX/gines_3dj_optx_01a_250109.pdf

The material was reviewed and discussed.

Straw Poll #1:

I support the direction of the changes to 179.9.4.6 Output Jitter as described in gines_3dj_optx_01a_250109.pdf and for all electrical interfaces and PMDs.

Results: Y: 35, N: 0, NMI: 9

Presentation #7	Rethinking the 800GBASE-ER1 model
Presenter	Tom Huber, Nokia
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0125_OPTX/huber_3dj_optx_01_250109.pdf

The chair reminded participants that presentations requests and final presentations for the January 2025 Interim meeting are due by **9 Jan 2025 AOE** and **13 Jan 2025 AOE**, respectively (see John's email <https://www.ieee802.org/3/B400G/email/msg01357.html>).

Meeting adjourned at 12:51 pm ET.

Attendees (per IMAT):

Name	Employer	Affiliation
Akinwale, Oluwafemi		Intel Corporation

Bernier, Eric	Huawei Technologies Canada Co., Ltd.	Huawei Technologies Canada; Huawei Technologies Co., Ltd
Bovington, Jock	Cisco Systems, Inc.	Cisco Systems, Inc.
Brown, Matthew	Alphawave	Alphawave Semi
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
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.
Dudek, Michael	Marvell	Marvell
El-Chayeb, Ahmad	Keysight Technologies Inc	Keysight Technologies Inc
Ghiasi, Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC
He, Xiang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Healey, Adam	Broadcom Inc.	Broadcom Inc.
Hidaka, Yasuo	Credo Semiconductor	INDEPENDENT
Huber, Thomas	Nokia	Nokia
Hutchins, Jeff	Ranovus	Ranovus
Johnson, John	Broadcom Corporation	Broadcom
Kim, Kihong/Joshua	Hirose Electric (USA), Inc.	Hirose Electric (USA), Inc.
Kugel, Valery		Juniper Networks, Inc.

Lambert, Angela	Corning Incorporated	Corning Incorporated
Landry, Gary	Texas Instruments Inc.	Texas Instruments
Li, Mike-Peng	Intel	Intel
Li, Pei-Rong	MediaTek Inc.	MediaTek Inc.
Lim, Jane	Cisco Systems, Inc.	Cisco Systems, Inc.
Little, Terrance	Foxconn Electronics Inc.	Foxconn Electronics Inc.
Liu, Cathy	Broadcom Corporation	Broadcom
Lusted, Kent	Synopsys, Inc.	Synopsys, Inc.
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
Mellitz, Richard	Samtec, Inc.	Samtec, Inc.
mi, guangan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Mitcheltree, Tom	US Conec, Ltd.	US Conec, Ltd.
Muhigana, Ernest		Lumentum
Muller, Shimon	Enfabrica Corp.	Enfabrica
MURAKAMI, YUKI	FUJITSU	FUJITSU
Noujeim, Leesa	Google	Google
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.

Ran, Adee	Cisco Systems, Inc.	Cisco Systems, Inc.
Rodes, Roberto	II-VI	Coherent
Sakai, Toshiaki	Socionext Inc.	Socionext
Salvekar, Atul	Cadence Design Systems	Cadence Design Systems
Shakiba, Mohammad	Huawei Technologies Canada	Huawei Technologies Canada; Huawei Technologies Co., Ltd
Simms, William	NVIDIA Corporation	NVIDIA Corporation
Slavick, Jeff	Broadcom Inc	Broadcom Inc
Sommers, Scott	Molex LLC	Molex Incorporated
Swenson, Norman	Norman Swenson Consulting	Norman Swenson Consulting; Point2 Technology Inc., Infinera
Tooyserkani, Pirooz	Cisco Systems, Inc.	Cisco Systems, Inc.
Tran, Viet	Keysight Technologies	Keysight Technologies
Watanabe, Yojiro	Mitsubishi Electric US, Inc.	Mitsubishi Electric Corporation