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

26 June 2025 Ad hoc Electronic Teleconference Meeting
Unapproved Meeting Minutes, Prepared by Gary Nicholl, Kent Lusted and Mark Nowell
Meeting called to order at 9:30 am (all times ET) by Kent Lusted, who was chairing the meeting.

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

Presentation #1	Agenda and General Information
Presenter	Kent Lusted
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0625_OPTX/agenda_3dj_optx_logic_elec_01a_250626.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.

Approve minutes as posted. Considered approved.

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 in the online meeting tool.

The chair noted that individuals should fill out IMAT information for attendance.

Presentation #2	Test Fixture Electrical Requirements (In Support of Comment 289)
Presenter	Jason Ellison and Howard Heck
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0625_OPTX/ellison_3dj_adhoc_01a_250626.pdf

Terry Little and Steve Sekel asked to be listed as supporters.

The material was reviewed and discussed.

Presentation #3	SCMR (signal to common mode ratio) for Channels: d2.0 Comments 49, 50
Presenter	Rich Mellitz
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0625_OPTX/mellitz_3dj_adhoc_02_250626.pdf

The material was reviewed and discussed.

The chair noted that individuals should fill out IMAT information for attendance.

Presentation #4	Aligning Reference Impedances in P802.3dj: D2.0 Comments: 62, 63, 64, 65, 66, 235, 236, 237, 238, 239
Presenter	Rich Mellitz
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0625_OPTX/mellitz_3dj_adhoc_01_250626.pdf

The material was reviewed and discussed.

At 10:37 a.m., Kent Lusted passed the meeting chair responsibilities to Mark Nowell.

Presentation #5	Adding CR Host Loss Class bits to AN73, Comment #42
Presenter	Kent Lusted
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0625_OPTX/lusted_3dj_adhoc_01a_250626.pdf

Prior to the start of the presentation, the author noted there was an updated version 01a with technical and editorial changes. There was no objection.
The material was reviewed and discussed.

At 10:58 a.m., Mark Nowell passed the meeting chair responsibilities back to Kent Lusted.

Presentation #6	MDI Types and 802.3dj Timeline
Presenter	Sam Kocsis
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0625_OPTX/kocsis_3dj_adhoc_01a_250626.pdf

John D'Ambrosia asked for the author's help to prepare a liaison to the relevant organization for considerations at the IEEE 802 July plenary.

The material was reviewed and discussed.

Presentation #7	Options for Adding Quantization Noise in COM
Presenter	Hossein Shakiba
URL	https://www.ieee802.org/3/dj/public/adhoc/optics/0625_OPTX/shakiba_3dj_adhoc_01b_250626.pdf

Prior to the start of the presentation, the author noted there was an updated version 01a with technical and editorial changes. There was no objection. The material was reviewed and discussed.

Straw Poll #1

For the modeling of quantization noise in COM Annex 178A, I would support the proposed Option 3.a or Option 3.b eta_0 and N_qb values (CR/KR, C2M, C2C) in shakiba_3dj_adhoc_01b_250626 (page 15)

(choose one)

Results: Y: 21 N: 1 NMI: 2 A: 11

Straw Poll #2

For the modeling of quantization noise in COM Annex 178A, I prefer proposed eta_0 and N_qb values (CR/KR, C2M, C2C) in shakiba_3dj_adhoc_01b_250626 (page 15) of

(chicago rules)

A. option 3a
B. option 3b
C. abstain

Results: A: 6, B: 17, C: 12

Kent Lusted reminded participants that the details for the TF contingent meetings on the weeks of July 7 and July 14 would be confirmed by 27 June. Details would be sent over the TF email reflector.

Chair reminded participants that requests for presentation time for the contingent teleconference meetings are due on Thursday 03 July 2025. Requests for the July plenary meetings are due 17 July 2025. (see: https://www.ieee802.org/3/B400G/email/msg01531.html)

Meeting adjourned at 12:18 pm ET.

Attendees (per IMAT):

Name	Affiliation	Employer
Akinwale, Oluwafemi	Intel Corporation	
Banas, David	Keysight	
Bernier, Eric	Huawei Technologies Canada; Huawei Technologies Co., Ltd	Huawei Technologies Canada Co., Ltd.
Brown, Matthew	Alphawave Semi	Alphawave
Bruckman, Leon	NVIDIA	NVIDIA
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
Dsilva, Hansel	Amphenol Corporation	
Dudek, Michael	Marvell	Marvell
El-Chayeb, Ahmad	Keysight Technologies Inc	Keysight Technologies Inc

Name	Affiliation	Employer
Ellison, Jason	The Siemon Company	Amphenol Corporation
Galan, Jose	MaxLinear, Inc.	MaxLinear, Inc.
Ghiasi, Ali	Ghiasi Quantum LLC, MARVELL	Ghiasi Quantum LLC
Gore, Brandon	Samtec, Inc.	Samtec, Inc.
HE, MICHAEL	TeraHop Pte. Ltd.	
He, Xiang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Heck, Howard	Intel Corporation	TE Connectivity
Hidaka, Yasuo	INDEPENDENT	Credo Semiconductor
Huang, Kechao	Huawei Technologies Co., Ltd	
Isono, Hideki	Fujitsu Optical Components	Furukawa FITEL Optical Components Limited
Issenhuth, Tom	Huawei Technologies Co., Ltd	Issenhuth Consulting, LLC
Kim, Do Kyun	LG ELECTRONICS	
Kim, Kihong/Joshua	Hirose Electric (USA), Inc.	Hirose Electric (USA), Inc.
Kugel, Valery	Juniper Networks, Inc.	
Lambert, Angela	Corning Incorporated	Corning Incorporated

Name	Affiliation	Employer
Landry, Gary	Texas Instruments	Texas Instruments Inc.
Li, Mike-Peng	Intel	Intel
Li, Pei-Rong	MediaTek Inc.	MediaTek Inc.
Little, Terrance	Foxconn Electronics Inc.	Foxconn Electronics Inc.
Lusted, Kent	Synopsys, Inc.	Synopsys, Inc.
Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
Malicoat, David	Malicoat Networking Solutions; SENKO Advanced Components	Malicoat Networking Solutions
Mellitz, Richard	Samtec, Inc.	Samtec, Inc.
mi, guangcan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Moorwood, Charles	Keysight Technologies	Keysight Technologies
Muller, Shimon	Enfabrica	Enfabrica Corp.
MURAKAMI, YUKI	FUJITSU	FUJITSU
Naderi Shahi, Sina	Marvell	
Nowell, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
Opsasnick, Eugene	Broadcom Inc.	Broadcom Inc.
Palkert, Thomas	Samtec, Inc., Macom	

Name	Affiliation	Employer
Phadke, Rohan	Arista Networks	
Rabinovich, Rick	Keysight Technologies	Keysight Technologies
Ran, Adee	Cisco Systems, Inc.	Cisco Systems, Inc.
Royer, Tyler	Senko Advanced Components	SENKO Advanced Components
Sakai, Toshiaki	Socionext	Socionext Inc.
Sekel, Steve	Wilder Technologies	Wilder Technologies
Shakiba, Mohammad	Huawei Technologies Canada; Huawei Technologies Co., Ltd	Huawei Technologies Canada
Simms, William	NVIDIA Corporation	NVIDIA Corporation
Sommers, Scott	Molex Incorporated	Molex LLC
Son, Yung Sung	Optomind Inc	Optomind Inc
Swenson, Norman	Norman Swenson Consulting; Point2 Technology Inc., Infinera	Norman Swenson Consulting
Tooyserkani, Pirooz	Cisco Systems, Inc.	Cisco Systems, Inc.
Turner, Max		Ethernovia
WANG, Xuebo	Huawei Technologies Co., Ltd	
Watanabe, Yojiro	Mitsubishi Electric Corporation	Mitsubishi Electric US, Inc.

Name	Affiliation	Employer
Weaver, James	Arista Networks	Arista Networks
Yin, Shuang	Google	