

IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet Task Force Meeting

Approved Meeting Minutes, prepared by John D'Ambrosia, Mark Nowell, and Kent Lusted

28 November 2023

Location: Electronic Interim Meeting

IEEE P802.3dj Task Force November 2023 electronic Meeting Task Force Page -

https://www.ieee802.org/3/dj/public/23_1128/index.html

Session called to order at 9:00 a.m. Eastern Time (all times Eastern) by John D'Ambrosia, Chair of P802.3df Task Force

Chair reminded participants to declare their name and affiliation in the online meeting tool. Failure to declare would result in expulsion from the meeting.

Agenda:

Title	Agenda and General Information
Presenters	John D'Ambrosia
URL	https://www.ieee802.org/3/dj/public/23_1128/agenda_3dj_b_231128.pdf

Chair welcomed everyone to the meeting.

Chair reminded participants to sign into IMAT for Task Force attendance.

Chair reviewed the agenda (Slide #2) and noted presentation order (Slide #3). Chair noted that individuals should check the webpage for the latest version of each presentation. Chair noted that all of the presentation times were subject to change.

Chair asked if there were any objections to the agenda. There were none. The agenda was considered approved by unanimous consent.

Chair reviewed meeting decorum. (See Slide #4) Chair asked if there were any members of the press present. No one responded.

Chair reviewed attendance. (See Slide #5) Chair noted that Task Force meeting attendance would be through the IEEE Meeting Attendance (IMAT).

Chair reviewed the Task Force Project Information / Organization for the P802.3dj Task Forces. (See Slides #6).

Chair reviewed the goals for the session (see slide #7).

Chair reviewed ground rules. (See Slide #8)

Chair reviewed the current state of the Task Forces. (See Slide #9.)

Chair reviewed voting in the task force. (See Slide #10) Chair noted that the straw polls would use the online Zoom tool. Motions would be taken with the Direct Vote Live tool if there was not unanimous consent. Chair noted that he reserved the right to take informative straw polls by 802.3 WG voting membership.

Slide #11 - Chair noted that the information regarding the IEEE SA Policies had been sent out via the Task Force reflector , and requested that individuals review the following IEEE SA policies prior to the interim meeting –

- IEEE SA Patent policy
- IEEE SA Copyright Policy
- IEEE SA Participation Policy and IEEE Code of Ethics

Chair asked if anyone needed to review the policies at that time – there were no requests to do so from in-person nor remote attendees.

Chair presented the third slide (See Slide #29) of the IEEE SA Patent Policy slides. Chair did call for Potentially Essential Patents, and no one came forward.

Chair presented the second slide (See Slide #34) of the IEEE SA Copyright Policy slides. Chair noted – “By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.”

Chair reminded participants of the IEEE Code of Ethics and Conduct. (See slide #37) He noted “All participants in IEEE-SA activities are expected to adhere to the core principles underlying the IEEE Code of Ethics and IEEE Code of Conduct”.

Chair presented the second slide (See Slide #38) of the IEEE SA Participation Policy slides. Chair noted – “Participants in the IEEE-SA “individual process” shall act independently of others, including employers. By participating in standards activities using the “individual process”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation.”

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Chair reminded participants that all contributions must be submitted with the PDF document properties properly completed. If the properties are not correct, the contribution would be returned.

He noted the incoming liaison from MOPA on Time synchronization error in PTP networks. He intends to prepare a liaison response for the January meeting. (see: https://www.ieee802.org/3/minutes/nov23/incoming/MOPA_to_IEEE_802p3_231102_Redacted.pdf)

Chair noted that he intended to review the timeline and discuss it at the end of the meeting.

Chair noted that the agenda would likely be completed entirely on Tuesday. If the agenda was completed Tuesday, he would cancel the Wednesday meeting. The announcement would be made at the end of the meeting.

Chair noted that he was notified that Jim Weaver was not available for his contribution due to a scheduling issue. He asked if there was objection to reordering the agenda to move Jim Weaver's contribution later in the session. No one objected.

Presentation #1:

Title	212Gb/s Per Lane PAM4 CR Channels with Flexible Host Architectures and Longer Reach Cables - NIC Perspective
Presenters	Howard Heck, Femi Akinwale
URL	https://www.ieee802.org/3/dj/public/23_11/akinwale_3dj_01_2311.pdf

Kent Lusted noted that the channels provided by Jim Weaver and Jason Chan were posted to the P802.3dj Task Force Tools and Channel webpage. (see: <https://www.ieee802.org/3/df/public/tools/index.html>)

Questions were asked and answered.

Presentation #2:

Title	Benefits of Transmitter Adaptation for Optical Links
Presenters	Ali Ghiasi
URL	https://www.ieee802.org/3/dj/public/23_1128/ghiasi_3dj_01a_2311.pdf

Authored noted that would make a reference presentation an active link on slide 11. He would provide an updated version '01a'.

Questions were asked and answered.

Chair reminded participants to sign into IMAT for Task Force attendance.

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Presentation #3

Title	Thoughts on optical automatic link configuration
Presenters	Matt Brown
URL	https://www.ieee802.org/3/dj/public/23_1128/brown_3dj_01a_2311.pdf

Chair noted that the presentation was written prior to the November plenary where optical PHY baselines were adopted. Ulf Parkholm extended his support to the presentation during Q&A. Questions were asked and answered.

Chair reminded participants to sign into IMAT for Task Force attendance.

Break at 11:30 a.m. Resumed at 11:33 a.m.

Chair reminded participants to sign into IMAT for Task Force attendance.

Presentation #4

Title	Consideration of a Auto Negotiation for Optical link training
Presenters	Ulf Parkholm
URL	https://www.ieee802.org/3/dj/public/23_11/parkholm_3dj_02_2311.pdf

Questions were asked and answered.

Presentation #5

Title	Consideration of timestamp accuracy with MII-extender in coherent 800GBASE-ER1
Presenters	Ulf Parkholm
URL	https://www.ieee802.org/3/dj/public/23_11/parkholm_3dj_01_2311.pdf

Questions were asked and answered.

Chair noted that Jim Weaver was still not available. His contribution would be moved to a future electrical ad hoc.

Chair noted that he received a late presentation request from Kent Lusted in his leadership role on the topic of next steps for the electrical interfaces. He asked if there was objection to hearing the late contribution. No one responded.

Presentation #6

Title	Priority of Next Steps for IEEE P802.3dj Electrical Track
Presenters	Kent Lusted
URL	https://www.ieee802.org/3/dj/public/23_1128/lusted_3dj_01_231128.pdf

Questions were asked and answered.

Presentation #7

Title	IEEE P802.3dj Timeline Update Discussion
Presenters	John D'Ambrosia
URL	https://www.ieee802.org/3/dj/public/23_1128/dambrosia_3dj_01b_2311.pdf

Questions were asked and answered.

Motion #1	Move to adopt timeline for IEEE P802.3dj noted on slide #6 of https://www.ieee802.org/3/dj/public/23_1128/dambrosia_3dj_01b_2311.pdf
Technical (>= 75%)	
Moved by	Mark Nowell
Second by	Ali Ghiasi
Results 802.3 (y/n/a)	Passed by unanimous consent. 12:52 p.m.

Chair reviewed the future meetings in the agenda (see slide #13). He noted that it would be an updated version 'b' with a correction to a date on slide 13. (see: https://www.ieee802.org/3/dj/public/23_1128/agenda_3dj_b_231128.pdf)

Chair noted that the IEEE P802.3df recirculation ballot was open. The decision on the contingent meeting schedule for P802.3df comment resolution would be confirmed once the ballot closes.

Kent Lusted provided input on suggested topics for the upcoming electrical ad hoc meetings. Mark Nowell and Gary Nicholl provided suggested topics for the upcoming joint optic/logic ad hoc meetings.

Chair noted that the agenda was completed for the 28-29 November meeting. He announced that the meeting on 29 November was canceled. An announcement would be sent over the email reflector.

Chair reminded participants to sign into IMAT for Task Force attendance.

Chair provided the access details to the P802.3dj Task Force private area.

Meeting adjourned at 1:00 p.m.

Attendees

Name	Affiliation	Employer
Akinwale, Oluwafemi	Intel Corporation	
Beauregard, Francois	Belden	Belden Canada ULC
Ben-Artzi, Liav	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
Bernier, Eric	Huawei Technologies Canada Co., Ltd.	Huawei Technologies Canada Co., Ltd.
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
Cassan, Dave	Alphawave	Alphawave
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	
Geng, Limin	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Ghiasi, Ali	Ghiasi Quantum LLC; Marvell Semiconductor, Inc.	Ghiasi Quantum LLC
Gui, Tao	Huawei Technologies Co., Ltd	
Haasz, Jodi	IEEE Standards Association (IEEE-SA)	ieee sa
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
Issenhuth, Tom	Huawei Technologies Co., Ltd	Issenhuth Consulting, LLC

Name	Affiliation	Employer
Jackson, Kenneth	Sumitomo Electric Industries, LTD	Sumitomo Electric Industries, LTD
Kao, Chienping	Cornelis Networks	Intel
Kareti, Upen	Cisco Systems, Inc.	Cisco Systems, Inc.
Kim, Kihong/Joshua	Hirose Electric (USA), Inc.	Hirose Electric (USA), Inc.
Klempa, Michael	Alphawave Semi	Alphawave Semi
Klingensmith, William	DoD	U.S. Federal Government
Kocsis, Sam	Amphenol Corporation	Amphenol Corporation
Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Li, Pei-Rong	MediaTek Inc.	MediaTek Inc.
Liu, Cathy	Broadcom Corporation	Broadcom Corporation
Liu, Karen	Nubis Communications	Nubis Communications
Lusted, Kent	Intel	Intel
Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
Malicoat, David	Malicoat Networking Solutions; SENKO Advanced Components	Malicoat Networking Solutions
Maniloff, Eric	Ciena Corporation	Ciena Corporation
Mellitz, Richard	Samtec, Inc.	Samtec, Inc.
Muller, Shimon	Enfabrica	Enfabrica Corp.
MURAKAMI, YUKI	Fujitsu Limited	FUJITSU LIMITED
Murty, Ramana	Broadcom Corporation	Broadcom Inc.
Muth, Karlheinz	Broadcom Corporation	Broadcom Corporation
Nering, Raymond	Cisco Systems, Inc.	Cisco Systems, Inc.
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.

Name	Affiliation	Employer
PARK, CHUL SOO	Juniper Networks, Inc.	Juniper Networks Inc.
Parkholm, Ulf	Telefon AB LM Ericsson	Telefon AB LM Ericsson
Rabinovich, Rick	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	Socionext Inc.
Sekel, Steve	Wilder Technologies	
Sella, Omer	Imperial College London	
Shanbhag, Megha	TE Connectivity	Tyco
Shoval, Ayal	Synopsys, Inc.	Synopsys, Inc.
Shukla, Priyank	Synopsys, Inc.	Synopsys, Inc.
Sikkink, Mark	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Simms, William	NVIDIA Corporation	NVIDIA Corporation
Sluyski, MIke	Cisco Systems, Inc.	Cisco Systems, Inc.
Sommers, Scott	Molex Incorporated	Molex LLC
Sorbara, Massimo	GLOBALFOUNDRIES	GLOBALFOUNDRIES
Sprague, Edward	Infinera Corporation	Infinera Corporation
Stassar, Peter	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
TAKAHARA, TOMOO	FUJITSU LIMITED	FUJITSU LABORATORIES LIMITED
TAN, SISI	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Theodoras, James	HG Genuine	HG Genuine
Toyserkani, Pirooz	Cisco Systems, Inc.	Cisco Systems, Inc.
Tracy, Nathan	TE Connectivity	TE Connectivity

Name	Affiliation	Employer
Welch, Brian	Luxtera	Cisco Systems, Inc.
Wingrove, Michael	Ciena Corporation	Ciena Corporation
Yin, Shuang	Google	
Zhuang, Yan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd