

22 June 2023 Ad hoc Electronic Teleconference Meeting

Approved Meeting Minutes, Prepared by Kent Lusted

Meeting called to order at ~6:31 am (all times Pacific) by Kent Lusted, who was chairing the meeting.

Chair noted that individuals should fill out IMAT information for attendance.

Presentation #1	Agenda
Presenter	Kent Lusted
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_0622/agenda_3dj_01_adhoc_230622.pdf

Questions were asked and answered.

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 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.

Chair presented the third slide (See Slide #26) 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 #31) 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 presented the second slide (See Slide #35) 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.”

Chair reminded participants of the IEEE Code of Ethics and Code of Conduct. (see slide #34)

The chair reviewed meeting decorum. See Slide #5.

The chair reviewed voting. See Slide #9.

Chair reminded participants to sign into the IEEE Meeting and Attendance Tool. Kent Lusted noted that neither he nor the WG Recording Secretary Jon Lewis would update attendance records after the meeting ends for the day.

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

Task Force Chair noted that presentation requests for the July plenary meeting are due 29 June 2023, AOE. The agenda for the July plenary meeting will be dependent on the P802.3df D2.1 ballot results. John D'Ambrosia reminded the meeting attendees that meeting participants (remote and in-person) must register for the July Plenary meeting and must pay the meeting fee. Failure to pay the registration fee will result in arrears.

Presentation #2	212Gb/s Per Lane PAM4 KR Cabled Backplane Channels - Room vs. High Temps
Presenter	Jim Weaver
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_0622/weaver_3dj_elec_01_230622.pdf

Ad hoc chair noted that the contributed channels would be posted to the Task Force "Tools and Channel" webpage soon and would be announced over the email reflector.

Questions were asked and answered.

Presentation #3	Nomenclature for electrical interfaces ("AUIs") within an xGMII Extender
Presenter	Adee Ran
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_0622/ran_3dj_elec_01_230622.pdf

Questions were asked and answered.

Presentation #4	Towards a 200Gbps/Lane High Loss AUI Baseline Consensus Status Report
Presenter	Tobey P.-R. Li
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_0622/lit_3dj_elec_01_230622.pdf

Questions were asked and answered.

Break at 8:14 a.m. Resumed at 8:17 a.m.

Chair reminded participants to sign into the IEEE Meeting and Attendance Tool. Kent Lusted noted that neither he nor the WG Recording Secretary Jon Lewis would update attendance records after the meeting ends for the day.

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

Presentation #5	Error budget allocation for 106.25 GBd AUI-C2C and AUI-C2M within a PHY
Presenter	Adee Ran
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_0622/ran_3dj_elec_02_230622.pdf

Questions were asked and answered.

Author noted an editorial update to presentation #6 to fix URL links, correct title on slide 6. He would send an updated '01a' version.

Presentation #6	Towards a Package Model Baseline Proposal
Presenter	Adee Ran
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_0622/benartsi_3dj_elec_01a_230622.pdf

Questions were asked and answered.

Ad hoc Chair reminded participants of decorum and the IEEE Code of Ethics.

Chair reminded participants of the voting rules for straw polls.

Straw Poll #1

I would support the package model (not parameters) proposed in ben-artsi_3dj_elec_01a_230622 slide 6

- Yes
- No
- NMI
- Abstain

Results: Y: 12, N: 8, NMI: 24, A: 10

Chair noted that presentation requests for the July plenary meeting are due 29 June 2023, AOE. John D'Ambrosia reminded the meeting attendees that meeting participants (remote and in-person) must register for the July Plenary meeting and must pay the meeting fee. Failure to pay the registration fee will result in arrears.

Mark Nowell reminded participants of the 29 June 2023 joint optic/logic ad hoc. The request for contribution deadline was 23 June 2023.

Meeting adjourned at ~9:31 a.m. Pacific.

Attendees (per IMAT)

Name	Employer	Affiliation
Akinwale, Oluwafemi		Intel Corporation
BakroNagy, Istvan	Cisco Systems, Inc.	Cisco Systems, Inc.
Ben-Artsi, Liav	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
Bernier, Eric	Huawei Technologies Canada Co., Ltd.	Huawei Technologies Canada Co., Ltd.
Brown, Matthew	Huawei Technologies Canada	Huawei Technologies Canada
Bruckman, Leon	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Calvin, John	Keysight Technologies	Keysight Technologies
Chappell, Neveia	Keysight Technologies	Keysight Technologies
Chen, Chan	Self Employed	Self Employed
D'Ambrosia, John	Futurewei Technologies, U.S. Subsidiary of Huawei	Futurewei Technologies, U.S. Subsidiary of Huawei
Dawe, Piers J G	NVIDIA	Nvidia
Del Vecchio, Peter		Broadcom Corporation
FUKUSHIMA, TAKAHITO	Dexerials Corporation	Dexerials
Ghiasi, Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC; Marvell Semiconductor, Inc.
Gu, Tao	Centec Networks (Suzhou) Co., Ltd.	Centec

Name	Employer	Affiliation
Gustlin, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
He, Xiang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Healey, Adam	Broadcom Inc.	Broadcom Inc.
Heck, Howard	Intel	Intel
Hegde, Rajmohan	Broadcom Corporation	Broadcom Ltd.
Hidaka, Yasuo	Credo Semiconductor	Credo Semiconductor
Hutchins, Jeff	Ranovus	Ranovus
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
Kareti, Upen	Cisco Systems, Inc.	Cisco Systems, Inc.
Kim, Kihong/Joshua	Hirose Electric (USA), Inc.	Hirose Electric (USA), Inc.
Kimber, Eric	Semtech Ltd	Semtech Ltd
Koch, Lavi		Nvidia
Kondo, Taiji	MegaChips Corporation	Dexerials Corporation
Krishnasamy, Kumaran	Broadcom Corporation	Broadcom Corporation
Le Cheminant, Greg	Keysight Technologies	Keysight Technologies
Levin, Itamar		Intel Corporation
Li, Mike-Peng	Intel	Intel

Name	Employer	Affiliation
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	Malicoat Networking Solutions; SENKO Advanced Components
Marris, Arthur	Cadence Design Systems, Inc.	Cadence Design Systems, Inc.
Mellitz, Richard	Samtec, Inc.	Samtec, Inc.
Moorwood, Charles	Keysight Technologies	Keysight Technologies
Muller, Shimon	Enfabrica Corp.	Enfabrica
MURAKAMI, YUKI		Fujitsu Limited
Muth, Karlheinz	Broadcom Corporation	Broadcom Corporation
Nering, Raymond	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.
Rabinovich, Rick	Keysight Technologies	Keysight Technologies
Ran, Adee	Cisco Systems, Inc.	Cisco Systems, Inc.
Rechtman, Zvi	NVIDIA	NVIDIA

Name	Employer	Affiliation
Ren, Hao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Rodes, Roberto	II-VI	II-VI
Rust-Nguyen, Dylan		Juniper Networks, Inc.
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
Sorbara, Massimo	GLOBALFOUNDRIES	GLOBALFOUNDRIES
Summers, Robert		Broadcom Corporation
Sun, Junqing	Credo Semiconductor	Credo Semiconductor
Tracy, Nathan	TE Connectivity	TE Connectivity
Weaver, James	Arista Networks	Arista Networks
Whiteman, Cameron	Infinera Corporation	Infinera Corporation
Wingrove, Michael	Ciena Corporation	Ciena Corporation
Wong, Henry		Alphawave Semi
Wu, Mau-Lin	MediaTek Inc.	MediaTek Inc.