

Unapproved Minutes
**IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force
Ad Hoc Meeting**

Webex Meeting

January 14, 2021

Prepared by Mabud Choudhury

Group Name: IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force

Date/Location: Thursday, January 14, 2021. Webex meeting.

Chair: Robert Lingle, Jr (OFS)

Editors: Ramana Murty (Broadcom), Earl Parsons (CommScope)

Recording Secretary: Mabud Choudhury (OFS)

Meeting Participants: Attendance is listed in Appendix A (49 attendees – based on official IMAT attendance list; 53 Webex attendees)

Call to order:

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force (TF) Ad Hoc WebEx meeting was convened at 12:04 PM Eastern Standard Time (EST/ UTC -5), Thursday, January 14, 2021 by Robert Lingle, Jr., P802.3db TF Chair.

Chair asked attendees to use <http://imat.ieee.org/> to record attendance and provided Session Code for the meeting. Attendance record based on IMAT only.

He instructed attendees to either add their affiliations to their names in the Webex participants list, or else list their name with affiliation in the chat window. [These two instructions were repeated multiple times throughout the meeting]. All participants complied and indicated their full name and affiliation.

Chair's Presentation:

Title: "Agenda and General Information"

Presenter: Robert Lingle, Jr. (OFS)

[lingle_3db_adhoc_01_011421.pdf](#)

Mr. Lingle then proceeded with reviewing the **Agenda** and asked if there any modifications, additions or deletions? There were none.

12:08 PM: The agenda was approved by the Task Force without opposition. **Approved Agenda:**

- Meeting Attendance and Webex
- Approve Agenda
- Approval of Minutes for December 17 ad hoc meeting
- Reflector and Web
- IEEE
 - Call for Patents. IEEE Patent Policy reminder: <http://www.ieee802.org/3/patent.html>
 - IEEE Copyright reminder: <https://standards.ieee.org/ipr/index.html>
 - IEEE Participant reminder: <http://www.ieee802.org/devdocs.shtml>
- Straw polls on baseline proposal
- Items that may need benefit by further contributions
- Future meetings

Unapproved Meeting Minutes for December 17, 2020 IEEE P802.3db Task Force Ad Hoc Webex meeting. Mr. Lingle asked if there were any corrections/updates to the posted unapproved meeting minutes. There was a request to update meeting minutes to note changes made to rev 01b of Baseline Proposal that was updated after unapproved meeting minutes had been posted for review. Chair agreed to have December 17 unapproved meeting minutes updated and reposted for review.

Mr. Lingle showed the links to the IEEE P802.3db Task Force webpage, ad hoc page, and the email reflector.

12:12 PM: Chair reviewed “**Call for potential Essential Patent Claims**” slides 6-7 of [lingle_3db_adhoc_01_011421.pdf](#) .

IEEE Patent Policy reminder: <http://www.ieee802.org/3/patent.html>

IEEE SA Copyright Policy: Mr. Lingle provided overview of slide 8 of [lingle_3db_adhoc_01_011421.pdf](#) entitled “IEEE SA Copyright Policy”

IEEE Copyright reminder: <https://standards.ieee.org/ipr/index.html>

IEEE SA Participation Policy: Mr. Lingle showed the participation policy slide 9 of [lingle_3db_adhoc_01_011421.pdf](#) .

IEEE Participant reminder: <http://www.ieee802.org/devdocs.shtml>

Chair opened up meeting for further review (following up on December 17 TF ad hoc meeting) and discussion/comments of Baseline Proposal for 100 Gb/s per Lane Optical PMDs Supporting 50 and 100m OM4 MMF" - Ramana Murty (Broadcom), David Dolfi (Broadcom) [murty_3db_adhoc_01b_121720.pdf](#)

- Technical discussion followed
- Topics discussed included:
 - Transmit characteristics: for 50 m, expand wavelength range to 950 nm (TDECQ Reference response filter BW), MPN penalty, Error floor and RIN_OMA.
 - Receive characteristics: relaxed 50 m spec?
 - Test methodology: number of taps on reference equalizer, minimum cursor value, interoperability between 50 m and 100 m, introduce TECQ? Introduce $K = TDECQ \cdot 10 \log_{10}(Ceq)$?
- General view was that additional contributions and consensus building was required before baseline proposal could be adopted.

During the discussion of the baseline proposal, at approximately 1:10 PM EST/ UTC -5, Mr. Lingle had to step away to attend to an unavoidable personal issue and requested WG Chair David Law to take over TF Chair responsibilities in Mr. Lingle’s absence. Mr. Law chaired the completion baseline proposal discussion and the remainder of the meeting. The TF view was that straw polls should be deferred to future TF meetings. Mr. Choudhury shared the remaining Agenda and General Information file slides – covering items that would benefit from contributions and future meetings.

Future meetings:

- See: <http://ieee802.org/3/calendar.html> and <http://ieee802.org/3/interims/index.html>
- P802.3db TF Ad Hoc Teleconferences are currently scheduled:

Biweekly on Thursdays at 12 Noon to 2 pm Eastern US (EST/UTC -5):

<http://www.ieee802.org/3/db/public/adhoc/index.html>

Next Ad Hoc meeting: Thursday, February 4, 2021, 12 Noon to 2 pm Eastern US (EST/UTC -5)

- P802.3db TF Interim Teleconference:

Next meeting: Thursday, January 21, 2021, 12 noon to 2 pm Eastern US (EST/UTC -5),
During 802.3 WG Interim Teleconference Weeks (January 18 – January 28)

The Task Force Ad Hoc meeting was adjourned at 1:32 PM EST/ UTC -5, Thursday, January 14, 2021.

Next Meeting:

Scheduled P802.3db TF Interim Webex meeting for Thursday, January 21, 2021 at 12:00 Noon – 2:00 PM
EST/UTC -5.

Appendix A: Attendance List IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force WebEx Ad Hoc Meeting

49 individuals attended on Thursday, 14 January 2021, 12:04 PM – 1:32 PM EST/UTC -5

	Name	Employer	Affiliation
1	Abbott, John	Corning Incorporated	Corning Incorporated
2	Akbaba, Enis	Maxim Integrated	Maxim Integrated Products
3	Bruckman, Leon	HUAWEI	HUAWEI
4	Chang, Yongmao	Inphi Corporation	Source Photonics
5	Chen, Chan	Applied Optoelectronics, Inc.	Applied Optoelectronics, Inc.
6	Choudhury, Mabud	OFS	OFS
7	Dawe, Piers J G	Mellanox Technologies	Nvidia
8	Deandrea, John	II-VI Inc.	II-VI Inc.
9	Didde, Stephen	Keysight Technologies	Keysight Technologies
10	Dudek, Michael	Marvell	Marvell
11	Ferretti, Vincent	Corning Incorporated	Corning Incorporated
12	Ghiasi, Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC, Inphi
13	Hidaka, Yasuo	Credo Semiconductor	Credo Semiconductor
14	Hu, Kangmin	Innogrit	Innogrit
15	Ingham, Jonathan	INDEPENDENT	INDEPENDENT
16	Jackson, Kenneth	Sumitomo Electric Device Innovations, USA	Sumitomo Electric Industries, LTD
17	Kamino, John	OFS	OFS
18	Kimber, Eric	Semtech Ltd	Semtech Ltd
19	Latchman, Ryan	MACOM	MACOM
20	Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
21	Le Cheminant, Greg	Keysight Technologies	Keysight Technologies
22	Lewis, David	Lumentum Inc.	Lumentum Inc.
23	Lin, Youxi	Huawei	Huawei
24	Lingle, Robert	OFS	OFS
25	Lusted, Kent	Intel Corporation	Intel Corporation
26	Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
27	Malicoat, David	Malicoat Networking Solutions	Malicoat Networking Solutions; SENKO Advanced Components
28	Marques, Flavio	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
29	Mellitz, Richard	Samtec, Inc.	Samtec, Inc.
30	Murty, Ramana	Broadcom Corporation	Broadcom Corporation
31	Muth, Karlheinz	Rockley Photonics	Rockley Photonics
32	Nowell, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
33	Palkert, Thomas	EIC	Samtec-Macom
34	Parsons, Earl	CommScope, Inc.	CommScope, Inc.
35	Piehler, David	Dell	Dell
36	Raabe, Christian	Cisco Systems, Inc.	Cisco Systems, Inc.
37	She, Qingya	Fujitsu Network Communications	Fujitsu Network Communications
38	Sivakolundu, Ramesh	Cisco Systems, Inc.	Cisco Systems, Inc.
39	Son, Yung Sung	Optomind Inc	Optomind Inc
40	Sorbara, Massimo	GLOBALFOUNDRIES	GLOBALFOUNDRIES
41	Sun, Junqing	Credo Semiconductor	Credo Semiconductor
42	Sun, Yi	OFS	OFS
43	Swanson, Steven	Corning Incorporated	Corning Incorporated
44	Tang, Yi	Cisco	Cisco
45	Thompson, lance	II-VI Inc.	II-VI Inc.
46	Tooyserkani, Pirooz	Cisco Systems, Inc.	Cisco Systems, Inc.
47	Ulrichs, Ed	Source Photonics	Intel
48	Wang, Xinyuan	Huawei Technologies Co. Ltd	Huawei Technologies Co., Ltd
49	Young, James	CommScope, Inc.	CommScope