

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

Webex Meeting

March 16, 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, March 16, 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 (63 attendees – based on official IMAT attendance)

Call to order:

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force (TF) Interim WebEx meeting was convened at 10:02 AM Eastern Daylight Time (EDT/ UTC -4), Tuesday, March 16, 2021 by Robert Lingle, Jr., P802.3db TF Chair.

Webex Meeting Procedures:

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 – a meeting requirement. [These two instructions were repeated multiple times throughout the meeting via Chat].

Chair's Presentation:

Title: "Agenda and General Information"

Presenter: Robert Lingle, Jr. (OFS)

[agenda_3db_01_031621.pdf](#)

Mr. Lingle then proceeded with reviewing the **Agenda**, Slide 3 of [agenda_3db_01_031621.pdf](#) and asked if there were any modifications, additions or deletions? There were none.

.3db Motion #1:

Move to approve the Agenda for Interim TF Teleconference, Slide 3 of [agenda_3db_01_031621.pdf](#)

- M: Mark Kimber
- S: Tom Palkert
- (Procedural > 50%)
- Motion approved by unanimous consent

Agenda approved at 10:05 AM

Approved Agenda:

- Welcome
- Approve Agenda
- Attendance
- Goals for this meeting

- Reflector and Web
- Ground Rules
- IEEE
 - Structure, Bylaws and Rules
 - 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>
 - IEEE Standards Process
- PAR & Objectives
- Chair’s discussion of resolving TBDs in D0.1
- D0.1 Editors’ Report
- Straw Polls & Motions
- Liaisons
- Future Meetings

Attendance: Chair asked attendees to use <http://imat.ieee.org/> to record attendance (no Session Code for Plenary) and reviewed the IMAT steps to log attendance for this TF meeting. Attendance record based on IMAT only. The request to record attendance via IMAT was repeated multiple times via Chat.

Task Force Decorum: Chair asked for attendees to stay on mute when not speaking. Chair asked if anyone from the **Press** was present – no one indicated that they were from the Press.

Mr. Lingle provided **Goal for the meeting:**

- Review D0.1 Editors’ Report and review D0.1
- Discuss TBDs in D0.1. Encourage contributions to resolve TBDs
- Consider liaison and sharing of draft with INCITS T11.2

Reflector and Web: Chair showed the links to the IEEE 802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force page, and the email reflector.

TF Private Area: Chair provided Username and Password for TF private area. All draft standards will be in private area.

Chair reviewed:

Ground Rules: slide 11 of [agenda_3db_01_031621.pdf](#)

IEEE Structure: slide 12 of [agenda_3db_01_031621.pdf](#)

Important Bylaws and Rules: slide 13 of [agenda_3db_01_031621.pdf](#)

Secretary had shared the IEEE SA Patent, Copyright and Participation Policies prior to the meeting and had asked participants to be familiar these policies. Mr. Lingle asked if any participants had questions, and that there were no questions.

IEEE SA Patent Policy: Mr. Lingle provided overview of slides 14-18 of [agenda_3db_01_031621.pdf](#). Chair made “**Call for Potentially Essential Patents**” at 10:14 AM. No response from TF participants.

IEEE SA Copyright Policy: Mr. Lingle showed slides 19-21 of [agenda_3db_01_031621.pdf](#) entitled “IEEE SA Copyright Policy” overview

IEEE SA Participation Policy: Mr. Lingle showed the participation policy overview slides 22-24 of [agenda_3db_01_031621.pdf](#).

Mr. Lingle then reviewed the Overview of IEEE 802.3 Standards Process – completed Study Group Phase, and now in Task Force Comment Phase (slide 26 of [agenda_3db_01_031621.pdf](#)).

Chair showed links for Approved Project Documents: PAR, CSD and Objectives slide 30 of [agenda_3db_01_031621.pdf](#)). Mr. Lingle then showed the TF Objectives and Timeline, indicating that TF is 1 to 2 months behind timeline.

Chair then reviewed TBDs in D0.1. He indicated that there are 6 key TBDs to be resolved:

For Transmit Characteristics

- Center wavelength for 50m PMD
- TDECQ for 50m PMD
- Overshoot/undershoot for 50m & 100m PMDs

For Receive Characteristics

- Stressed Receiver sensitivity

For Test Methodology

- Number of taps for 50m PMD

Additionally, there [is a](#) need for proposals for the MDI.

Editors' Report:

Title: "Updated Baseline for 100 Gb/s per Lane Optical PMDs Supporting 50 and 100m OM4 MMF"

Presenters: Editors Ramana Murty (~~affiliated with~~ Broadcom Inc.) and Earl Parsons (~~affiliated with~~ CommScope)

[murty_3db_01a_031621.pdf](#)

Version 01a update: correct typo, Slide 15, third and fourth bullet: Table 167-14 (was incorrectly 167-4).

- Editorial team responsibility:
 - Earl Parsons: Sections 167.1 –167.6, 167.9 –167.11
 - Ramana Murty: Sections 167.7 –167.8
- Status:
 - Draft 0.1 posted March 15, 2021.
 - Open for comments March 16, 2021. Please send comments by marking up D0.1 or sending e-mail to editors.
 - **Please send comments by March 26, 2021, 12:00 midnight AOE.**
 - Plan to post comments against D0.1 prior to and resolve comments at the April 1, 2021 meeting.
- Editors reviewed Clause 167 (new clause number assigned to P802.3) additions for D0.1
- Technical discussion followed. Topics included: fiber chromatic dispersion, fiber cabled attenuation, TECQ, number of taps for 50 m vs. 100 m as it relates to TECQ, future contribution on wavelength.

Liaison:

TF reviewed and updated – to more completely reflect status of D0.1 – liaison letter from 802.3 WG to INCITS T11.2 making P802.3db TF D0.1 draft available to T11.2: [IEEE_802d3_to_T11-2_0321_draft2.pdf](#)

.3db Motion #2:

- Move that the IEEE P802.3db Task Force approve [IEEE 802d3 to T11-2 0321 draft2.pdf](#) with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to INCITS T11.2
- M: John D'Ambrosia
- S: Piers Dawe
- Y: N: A:
- Technical (>=75% of 802.3 voters)
- Motion is approved by unanimous consent.

Late contribution: the request to make contribution for [latchman 3db 01 031621.pdf](#) was past Chair's announced deadline for contribution requests. The contribution was also submitted past the submission deadline. Chair asked if anyone in TF objected to allowing this contribution to be presented, time permitting? No one responded with an objection.

Contribution #1:

Title: " Addressing TDECQ VRx"

Presenter: Ryan Latchman (~~affiliated with~~ MACOM)

[latchman 3db 01 031621.pdf](#)

- Presentation provides:
 - Support for lower cost Transmit & Receive specifications: TDECQ for VRx specifications
 - TDECQ / SECQ & Impact of BT filter
 - Review of Measured Results
 - Addresses TBDs in Table 167-7 – Transmit characteristics, of D0.1
- Technical discussion followed on number of taps, 50 m vs. 100 m specifications, approaches for lower cost 50 m specifications that are still interoperable with 100 m specifications.
- Presenter welcomed feedback from the group and answered clarifying questions. He indicated that he would provide follow-up contribution based on comments from TF.

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 (EDT/UTC -4):
<http://www.ieee802.org/3/db/public/adhoc/index.html>
- Next TF Ad Hoc meeting:

Thursday, April 1, 2021, 10am to 12 Noon Eastern US (EDT/UTC -4)

• Ad Hoc meetings will be converted to TF interims when TF business requires
On TF interim teleconferences, only 802.3 voters may vote on TF motions

.3db Motion #3:

Move to Adjourn TF Telephonic Interim Meeting

- M: Ali Ghiasi
- S: James Young
- (Procedural > 50%)
- Motion passes by unanimous consent

The Task Force Interim meeting was adjourned at 11:57 AM EDT/ UTC -4, Tuesday, March 16, 20

Next Meeting:

Scheduled P802.3db TF Interim Webex meeting for Thursday, April 1, 2021 at 12:00 Noon – 2:00 PM EDT/UTC -4.

Appendix A: Attendance List IEEE P802.3db Task Force WebEx Plenary Meeting

63 individuals attended on Tuesday, 16 March 2021, 10:02 AM – 11:57 AM EDT/UTC -4

	Employer	Affiliation
1	Abbott, John	Corning Incorporated
2	Aekins, Rob	Legrand
3	Bhatt, Vipul	II-VI Incorporated
4	Bruckman, Leon	Huawei Technologies Co., Ltd
5	Calvin, John	Keysight Technologies
6	Chen, Chan	Applied Optoelectronics, Inc.
7	Choudhury, Mabud	OFS
8	Chuang, Keng Hua	Hewlett Packard Enterprise
9	D'Ambrosia, John	Futurewei Technologies
10	Dawe, Piers J G	NVIDIA
11	DeSanti, Claudio	Dell
12	Didde, Stephen	Keysight Technologies
13	Estes, David	Spirent Communications
14	FAn, DAWEI	Huawei Technologies Co., Ltd
15	Ferretti, Vincent	Corning Incorporated
16	Ghiasi, Ali	Ghiasi Quantum LLC
17	He, Xiang	Huawei Technologies Co., Ltd
18	Healey, Adam	Broadcom Inc.
19	Heck, Howard	Intel Corporation
20	Hidaka, Yasuo	Credo Semiconductor
21	Kamino, John	OFS
22	Kim, Kihong/Joshua	Hirose Electric (USA), Inc.
23	Kim, Yongbum	Tenstorrent
24	Kimber, Eric	Semtech Ltd
25	Klempa, Michael	University of New Hampshire InterOperability Laboratory (UNH-IOL)
26	Kota, Kishore	Inphi Corporation
27	Latchman, Ryan	MACOM
28	Lewis, David	Lumentum Inc.
29	Li, Mike-Peng	Intel Corporation
30	Lim, Jane	Cisco Systems, Inc.
31	Lin, Youxi	Huawei Technologies Co., Ltd
32	Lingle, Robert	OFS
33	Liu, Karen	Lightwave Logic
34	Lusted, Kent	Intel Corporation
35	Maguire, Valerie	The Siemon Company
36	Malicoat, David	Malicoat Networking Solutions
37	Maniloff, Eric	Ciena Corporation
38	Marques, Flavio	FURUKAWA ELECTRIC
39	Mellitz, Richard	Samtec, Inc.
40	mi, guangcan	Huawei Technologies Co., Ltd
41	Milicevic, Mario	MaxLinear
42	Murty, Ramana	Broadcom Inc.
43	Nicholl, Gary	Cisco Systems, Inc.
44	Palkert, Thomas	Macom, Samtec
45	Parsons, Earl	CommScope, Inc.
46	Piehler, David	Dell Technologies
47	Quan, Yu	Huawei Technologies Co., Ltd
48	Rabinovich, Rick	Keysight Technologies
49	Savi, Olindo	Hubbell Incorporated
50	Sayre, Edward	Samtec, Inc.
51	She, Qingya	Fujitsu Network Communications
52	Shubochkin, Roman	OFS
53	Son, Yung Sung	Optomind Inc
54	Sorbara, Massimo	GLOBALFOUNDRIES
55	Sun, Junqing	Credo Semiconductor
56	Sun, Yi	OFS
57	Swanson, Steven	Corning Incorporated
58	Tang, Yi	Cisco Systems, Inc.
59	Ulrichs, Ed	Intel
60	Vanderlaan, Paul	UL LLC
61	Withey, James	Fluke Corporation
62	Zhiwei, Yang	ZTE Corporation
63	Zhuang, Yan	Huawei Technologies Co., Ltd