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
February 4, 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, February 4, 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 (43 attendees – based on official IMAT attendance list; 49 Webex participants)

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 12:01 PM Eastern Standard Time (EST/ UTC -5), Thursday, February 4, 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].

Chair's Presentation:
Title: "Agenda and General Information"
Presenter: Robert Lingle, Jr. (OFS)
lingle_3db_adhoc_01_020421.pdf

Mr. Lingle then proceeded with reviewing the **Agenda** and asked if there any modifications, additions or deletions? There were none.
12:03 PM: The agenda was approved by the Task Force by unanimous consent. **Approved Agenda:**

- Meeting Attendance and Webex
- Approve Agenda
- Approval of Minutes for January 14 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
- Contribution
  - "Items from the 100G MMF Link Baseline" - Ramana Murty
- Items that may need benefit by further contributions
- Future meetings

Unapproved Meeting Minutes for January 14, 2021 IEEE P802.3db Task Force Ad Hoc Webex meeting were previously posted. Chair asked if there were modifications. No one responded. Chair asked if there was objection to approving the minutes as posted. No one responded. Motion of approve minutes for January 14 TF ad hoc meeting passed by unanimous consent at 12:06 PM.

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

Chair asked if anyone was unfamiliar with any of the IEEE Patent, Copyright and Participation policies, which had been shared via TF reflector prior to the meeting. No one responded.

12:08 PM: Chair reviewed IEEE-SA patent policy slides 6-7 of lingle_3db_adhoc_01_020421.pdf . Chair made a "Call for Essential Patent Claims." There was no response.
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_020421.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_020421.pdf .
IEEE Participant reminder: http://www.ieee802.org/devdocs.shtml

Contribution #1:
Title: "Items from the 100G MMF Link Baseline"
Presenter: Ramana Murty (Broadcom Inc.)
murty_3db_adhoc_01a_020420.pdf
(Version 01a, shown at meeting and posted after meeting updates: slide 4, added the phrase "using numerical calculations"; slide 7, first sentence modified to read "Proposed value for Other Penalties ..."; slide 7, left figure. Changed Min Tx OMA to -2.9 dBm (from -3.0 dBm).

- Presentation provided:
  - Review of the parameter specifications that have been brought up in TF discussions on baseline proposal for 50m and 100m OM4 reach (and equivalent reach OM3 and OM5) presented on Dec. 17, 2020 murty_3db_adhoc_01b_121720.pdf, and on subsequent TF contributions le_cheminant_3db_adhoc_01_121720.pdf , lin_3db_adhoc_01_121720.pdf , and lin_3db_01a_0121.pdf on test methodology, and various parameters in the specifications
  - Focusing on the following key parameters:
    - Extinction ratio
    - $RIN_{12}OMA$
    - MPN penalty
    - TECQ
    - Error Floor
    - Potential TBDs
    - Rx FFE
- There was extensive technical discussion and consensus building on each of the key parameters listed above.

- Clarifying questions asked and answered
- Author welcomed feedback from the group.
- Chair appreciated the extensive TF technical discussion and consensus building, foundation for adopting baseline proposal.

Mr. Lingle then showed the list of items that may benefit from contributions in TF review, that had been previously shared with TF, slide 11 of lingle_3db_adhoc_01_020421.pdf.

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
    - Ad hoc meetings will be converted to TF interims when TF business requires
- P802.3db TF Interim meetings:
    - Chair announced the intention to designate the next two Ad Hocs as Interim Teleconferences.
    - Thursday, February 18, 2021, 12 Noon to 2 pm Eastern US (EST/UTC -5)
    - Thursday, March 4, 2021, 12 Noon to 2 pm Eastern US (EST/UTC -5)
    - On TF interim teleconferences, only 802.3 voters may vote on TF motions
- March IEEE 802.3 WG plenary session will be virtual, March 8 – 18, 2021

The Task Force Ad Hoc meeting was adjourned at 1:43 PM EST/ UTC -5, Thursday, February 4, 2021.

Next Meeting:

Scheduled P802.3db TF Interim Webex meeting for Thursday, February 18, 2021, 12 Noon to 2 pm Eastern US (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

43 individuals attended on Thursday, 4 February 2021, 12:01 PM – 1:43 PM EST/UTC -5

	Name	Employer	Affiliation
1	Abbott, John	Corning Incorporated	Corning Incorporated
2	Akbaba, Enis	Maxim Integrated Products	Maxim Integrated Products
3	Bhatt, Vipul	Finisar Corporation	Finisar Corporation
4	Bruckman, Leon	HUAWEI	HUAWEI
5	Castro, Jose	Panduit Corp.	Panduit Corp.
6	Chang, Yongmao	Source Photonics	Source Photonics
7	Chen, Chan	Applied Optoelectronics, Inc.	Applied Optoelectronics, Inc.
8	Dawe, Piers J G	Mellanox Technologies	Nvidia
9	Dudek, Michael	Marvell	Marvell
10	Ferretti, Vincent	Corning Incorporated	Corning Incorporated
11	Ghiasi, Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC, Inphi
12	Hidaka, Yasuo	Credo Semiconductor	Credo Semiconductor
13	Hu, Kangmin	Innogrit	Innogrit
14	Jackson, Kenneth	Sumitomo Electric Device Innovations, USA	Sumitomo Electric Industries, LTD
15	Kamino, John	OFS	OFS
16	Kimber, Eric	Semtech Ltd	Semtech Ltd
17	Klempa, Michael	University of New Hampshire InterOperability Laboratory (UNH-IOL)	Amphenol Corporation
18	Latchman, Ryan	MACOM	MACOM
19	Le Cheminant, Greg	Keysight Technologies	Keysight Technologies
20	Lewis, David	Lumentum Inc.	Lumentum Inc.
21	Lin, Youxi	Huawei	Huawei
22	Lingle, Robert	OFS	OFS
23	Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
24	Malicoat, David	Malicoat Networking Solutions	Malicoat Networking Solutions; SENKO Advanced Components
25	Murty, Ramana	Broadcom Corporation	Broadcom Corporation
26	Nering, Raymond	Cisco Systems, Inc.	Cisco Systems, Inc.
27	Parsons, Earl	CommScope, Inc.	CommScope, Inc.
28	Piehler, David	Dell	Dell
29	Pimpinella, Rick	Panduit Corp.	Panduit Corp.
30	Raabe, Christian	Cisco Systems, Inc.	Cisco Systems, Inc.
31	Radhamohan, Rajeshmohan	MAXLINEAR INC	MaxLinear Inc
32	She, Qingya	Fujitsu Network Communications	Fujitsu Network Communications
33	Son, Yung Sung	Optomind Inc	Optomind Inc
34	Sorbara, Massimo	GLOBALFOUNDRIES	GLOBALFOUNDIRES
35	Sun, Yi	OFS	OFS
36	Swanson, Steven	Corning Incorporated	Corning Incorporated
37	TAKAHARA, TOMOO	FUJITSU LABORATORIES LIMITED	FUJITSU LIMITED
38	Tang, Yi	Cisco Systems, Inc.	Cisco Systems, Inc.
39	Tracy, Nathan	TE Connectivity	TE Connectivity
40	Ulrichs, Ed	Source Photonics	Intel
41	Young, James	CommScope, Inc.	CommScope
42	Zhang, Bo	Inphi Corporation	Inphi Corporation
43	Zivny, Pavel	Tektronix, Inc.	Tektronix, Inc.