Unconfirmed Meeting Minutes: Meeting of the IEEE P802.3dg 100 Mb/s Long-Reach
Single Pair Ethernet Task Force

Wednesday, September 13, 2023
Hybrid Interim Meeting

Prepared by Bob Voss

IEEE 802.3dg 100 Mb/s Long-Reach Single Pair Ethernet Task Force meeting was
called to order at **7:00 AM CDT**, Wednesday, September 13, 2023, by George
Zimmerman, Chair of the IEEE 802.3dg Task Force. Bob Voss served as recording
secretary for the meeting.

The meeting was held in hybrid format, electronically via WebEx, and in-person at
Robert Bosch facility in Campinas, Brazil. At the chair's request, in-person attendees
introduced themselves and stated their affiliations. This meeting includes teleconference
participants. The chair asked that teleconference participants whose affiliation is not
shown in their Webex identity please post their affiliation in the chat window.

Attendance is listed in Appendix A. Attendance will be taken via WebEx, IMAT, and a
circulated written list for local attendees.

Mr. Zimmerman displayed and proceeded to review the agenda at
https://www.ieee802.org/3/dg/public/May_2022/agenda_3dg_01_230913.pdf. Mr.
Zimmerman asked if there was any objection to approving the agenda. No objections
were heard.

Mr. Zimmerman asked if anyone needed additional time to review the posted minutes.
None heard. The chair asked if there was any objection to approving the minutes as
posted. No objections heard. Minutes approved by unanimous consent.

Mr. Zimmerman reviewed the general decorum slide.

Members of the Press, At **7:14 AM CDT** the chair asked for any members of the press
to identify themselves. None were heard.

Mr. Zimmerman reviewed the Task Force Decorum slide.

The chair reviewed the Goals for This Meeting.
    Hear technical presentations.
    Progress work on PHY baselines – identify points of agreement.

Attendance is listed in Appendix A. Attendance will be taken via WebEx, IMAT, and a
circulated written list for local attendees.

Any presentations referenced in these minutes are located on the [Task Force Meeting Materials](#) site.

At **7:12 AM CDT**, Mr. Zimmerman resumed review of the agenda deck, including the following items – goals for the meeting, use of reflector and web to build consensus, ground rules, a review of the participation policy, a review of the IEEE copyright policy, a review of the IEEE policy on dominance, and a review of the IEEE Standards process. There were no questions.

IEEE Patent Policy, Mr. Zimmerman showed the patent slides, 1 through 4, at **7:13 AM CDT**.

The call for patents was made at **7:14 AM CDT**. None responded.

At 7:16 AM CDT, the chair showed the slides on SA Copyright Policy.

At **7:18 AM CDT**, the chair reminded participants that they agree to comply with IEEE Code of Ethics, all applicable laws and with all IEEE policies. Individual process, fair & equitable consideration, slides shown. Individuals not agreeing to comply were asked to leave the meeting. No meeting participants left. The chair reviewed the slide regarding the fair and equitable consideration of all viewpoints.

At **7:23 AM CDT**, Mr. Zimmerman reported that no liaisons or communications have been received for consideration by the task force at this meeting. The task force does have a duty to reply to a liaison letter to ISO/IEC JTC1 SC25, which is part of this meeting's agenda.

Presentations and Discussion:

At **7:24 AM CDT,** the Chair moved on to Presentations.

At **7:25 AM CDT, Signal Integrity & Terminal Blocks –** *Bernd Horrmeyer, Phoenix Contact*

https://www.ieee802.org/3/dg/public/May_2022/horrmeyer_3dg_01_09122023.pdf

- Presentation made by Mr. Horrmeyer
- Questions asked and answered.

At **7:49 AM CDT, Cable Termination for Alien Crosstalk Mitigation –** *Francois Beauregard, Belden*

https://www.ieee802.org/3/dg/public/May_2022/Beauregard_3dg_09072023_01.pdf

- Presentation made by Mr. Beauregard
- Questions asked and answered.

At 8:09 AM CDT, Further Consideration on the New MII – *TingTing Zhang, Huawei Technologies*

https://www.ieee802.org/3/dg/public/May_2022/Tingting_3dg_01_13_09_2023.pdf

- Presentation made by Ms. Zhang
- Questions asked and answered.

Morning Break, 15-minute break, resume meeting at 45 minutes after the hour

Meeting resumed at 8:48 AM CDT. Mr. Zimmerman was called away. Mr. Chad Jones chaired the meeting in Mr. Zimmerman's absence.

Questions for Ms. Zhang resumed.

At 9:26 AM CDT, Overall Consideration on 802.3dg PHY, *TingTing Zhang, Huawei Technologies*

https://www.ieee802.org/3/dg/public/May_2022/Tingting_3dg_02_13_09_2023.pdf

- Presentation made by Ms. Zhang
- Questions asked and answered.

At 10:02AM CDT, Draft Liaison Letter, IEEE 802.3 to ISO/IEC JTC1 SC25 WG3
Letter displayed and reviewed by the group.

https://www.ieee802.org/3/dg/public/May_2022/IEEE_802d3_to_SC25_WG3_090723_dg_draft.pdf

<u>Next Meetings</u>

- Ad Hoc Meetings
    - September 27, 7am - 9am Pacific
    - October 11, 7am - 9am Pacific
    - October 25, 7am - 9am Pacific
- November 13 to 16, 2023 IEEE802 Plenary, Hilton Hawaiian Village, Oahu
    - Interim with remote access, https://ieee802.org/3/interims/index.html for details.
- Follow on topics: Progress on PHY proposals (PCS, PMA, FEC, or other noise strategy, etc.) Progress MII discussion, Build consensus to baselines.

Having exhausted the agenda, **Mr. Jones adjourned the meeting at 10:16AM CDT**.

Appendix A: Attendance IEEE P802.3dg 100BASE-T1L Task Force 9/13/2023

Note – individuals highlighted did not register 802.3dg in IMAT and may not receive attendance credit, but were noted either in-room or on Webex.

Last Name	First Name	Affiliation	Webex	In-Room	IMAT
Beauregard	Francois	Belden	X	X	
Brandt	David	Rockwell Automation	X		X
Brychta	Michal	Analog Devices	X		X
Campos	Leonardo	Anatel/Brazil	X	X	
Chini	Ahmad	Broadcom	X		X
Dalmia	Kamal	Aviva Links		X	
Fischer	Peter	BKS Kabel Service AG	X		X
Fritsche	Matthias	HARTING	X		X
Gerl	Markus	MD Elektronik	X		X
Graber	Steffen	Pepperl+Fuchs	X		X
Haydt	Mary Sue	Microchip	X		X
Horrmeyer	Bernd	Phoenix Contact		X	
Jin	Edward	Molex	X		
Jones	Chad	Cisco	X	X	X
Jones	Peter	Cisco	X	X	X
Lackner	Hans	QoSCom	X		X
Law	David	HPE		X	
Lennartsson	Kent	Kvaser AB	X		X
Lo	William	Axonne		X	
Lou	Wei	Broadcom	X		X
Lyon	Chris	Amphenol CS	X	X	
Maguire	Valerie	Copperopolis/Independent	X		X
Mark	Simon	Wuerth Elektronik	X		X
McClellan	Brett	Marvell	X		
Mueller	Harald	Endress+Hauser	X		X
Mueller	Thomas	Rosenberger	X		X
Murray	Brian	Analog Devices	X		X
PAN	Dongcheng	Huawei	X		
Pandey	Sujan	Huawei	X		X
Paul	Michael	Analog Devices		X	
Pischl	Neven	Broadcom	X		X
Potterf	Jason	Cisco	X		X
Schicketanz	Dieter	Reutlingen University	X		X
Schreiner	Stephan	Rosenberger	X		X
Sedarat	Hossein	Ethernovia	X		

Siev	Virak	Belden	X		
Sisk	Jason	UNH IOL	X		X
Taube	Thomas	Robert Bosche GmbH		X	
Tazebay	Mehmet	Broadcom	X		X
Thompson	Geoff	GraCaSI S.A. / Independent	X		
Voss	Bob	Panduit	X		X
withey	james	Fluke	X		X
Xu	Dayin	Rockwell Automation	X		X
Zhang	Sen	huawei	X		
Zhang	Tingting	Huawei	X		X
Zhuang	Yan	Huawei	X		X
Zimmerman	George	CME Consulting/APL Gp, Cisco, Marvell, OnSemi, SenTekSe	X	X	X