Unconfirmed Meeting Minutes:
IEEE P802.3dg Long-Reach Single Pair Ethernet Task Force

May 13, 2025, Hybrid Interim Meeting
via Webex
Prepared by Bob Voss
All times in CDT

IEEE P802.3dg Task Force meeting was called to order at 05/13/2025, 8:04 AM by the task force chair, George Zimmerman.

The meeting was held in person in New Orleans, LA USA, and electronically using Webex.

Attendance is listed in Appendix A.
Motion #1 Roll call is listed in Appendix B.

All presentations referenced in these minutes are located on the Task Force Public web page:
https://www.ieee802.org/3/dg/public/May_2025/index.htm

The Chair displayed and proceeded to review the agenda in
https://www.ieee802.org/3/dg/public/May_2024/agenda_3dg_01_20250513.pdf

The agenda was approved at 8:07AM by unanimous consent.

Approval of meeting minutes

Need to approve 802.3dg March 2025 plenary minutes at:
https://www.ieee802.org/3/dg/public/May_2024/Unconfirmed_minutes_3dg_03122025.pdf

The chair asked the task force if there was any objection to accepting the minutes as posted. None heard.
Minutes approved, as posted.

General Decorum
The chair informed the group of General Decorum expectations and pointed out the prohibition of recordings, including AI transcription assistants.

Members of the Press, at 8:09 AM the chair asked for any press members to identify themselves. None heard.

Task Force Decorum
The Task Force Decorum slide was shown by the chair.

Goals for the Meeting

P802.3dg
- Review draft 1.0 text
- Fill out missing specifications to progress to Technically Complete

Meeting fee requirement
The chair announced that this meeting is conducted as part of the IEEE 802 Plenary Meeting. Registration and payment of fees is required, and attendance without properly registering is subject to penalties under IEEE 802 rules.

• See https://www.ieee802.org/3/interims/index.html for further information and a registration link

Ground Rules
The chair reviewed the Ground Rules slide with the task force.

Attendance, the Chair advised the group that the attendance would be taken from from Webex and IMAT. In-room participants were asked to please log into Webex to request to join the queue.

At 8:18 AM, the Chair resumed review of the agenda deck, including the following items – a review of IEEE structure, links to important bylaws and rules, and the patent slides.

IEEE Patent Policy, The Chair asked if anyone needed the patent slides to be read aloud. None responded, so the patent slides were displayed.

The **Call for Patents** was made at 8:22 AM and **none** responded.

The Chair resumed review of the agenda deck material after the call for patents.

At 8:25 AM, the chair reviewed the slides concerning IEEE SA Copyright policy, participant behavior, individual process, fair and equitable consideration, and position of this project in the IEEE 802.3 process.

Liaisons and Communications

The chair reported that there are no liaisons or communications for the task force to consider at this time

Presentations and Discussion:

At 8:34 AM, the chair moved to presentations and discussion.

Presentation: Editor's Report
Presenter: Yan Zhuang, affiliated with Huawei Technologies

https://www.ieee802.org/3/dg/public/May_2025/zhuang_3dg_01_0525.pdf

No questions were asked about the Editor's Report.

At 8:51 AM, the chair moved to the next presentation.

Presentation: Updates to the Text for the Draft for Energy Efficient Ethernet and LPI Signaling
Presenter: Brian Murray, affiliated with Analog Devices

https://www.ieee802.org/3/dg/public/May_2025/Curran_3dg_01_05132025.pdf

At 9:22 AM, questions were asked and answered.

At 9:30 AM, the chair moved to the next presentation.

Presentation: 100BASE-T1L Block Encoding and Remote Fault
Presenter: Brian Murray, affiliated with Analog Devices

https://www.ieee802.org/3/dg/public/May_2025/Curran_3dg_02_05132025.pdf

Morning Break from 10:00 AM to 10:15AM

At 10:19 AM, the next presentation started.

Presentation: 100BASE-T1L PCS Receive Function
Presenter: Brian Murray, affiliated with Analog Devices

https://www.ieee802.org/3/dg/public/May_2025/Curran_3dg_03_05132025.pdf

At 10:39 AM, questions were asked and answered.

At 10:41 AM, the chair called for the next presentation

Presentation: 100BASE-T1L PCS Clause 45 Registers
Presenter: Brian Murray, affiliated with Analog Devices

https://www.ieee802.org/3/dg/public/May_2025/Curran_3dg_01_05132025.pdf

At 11:22 AM, questions were asked and answered.

At 11:35 AM the task force moved to the next agenda item.

Draft 1.0 Comment Resolution: Comments Received with Proposed Responses
George Zimmerman, CME Consulting, affiliated with various
IEEE_P802p3dg_D1p0_Proposed.xlxs
Also, included a presentation by Mr. Graber

Presentation: 100BASE-T1L PMA State Machine Changes
Presenter: Steffen Graber, affiliated with Pepperl+Fuchs

https://www.ieee802.org/3/dg/public/May_2025/graber_3dg_01_05082025.pdf

Lunch Break, begin at 12:18PM, return to session at 1:18PM.

At 1:20 PM, the chair resumed the meeting agenda.

Motions

Motion #1

- Move that the IEEE P802.3dg Task Force
  - adopt slides 13 to 36 of Curran_3dg_01_05132025.pdf.
  - adopt slides 13 to 24 of Curran_3dg_02_05132025.pdf.
  - adopt slides 12 to 18 of Curran_3dg_03_05132025.pdf.
  - adopt slides 14 to 36 of Curran_3dg_04_05132025.pdf.

M: Brian Murray
S: Tim Baggett

Technical >= 75%

Y = 24   N =   0   A = 2

Motion passes. (see Appendix B for roll call listing)

Motion #2

Move to instruct the editors to produce draft 1.1 for Task Force review from draft 1.0, motions from this meeting and comments received on draft 1.0, with editorial license.

M: Brian Murray
S: Bob Voss

Technical >= 75%

Motion passes by voice without objection

Next Meetings

- June 2025 Electronic Interim (June 25 – 6am to 9am PDT)
    - 3-hour meeting – telephonic
    - No registration required

- Contingent Electronic Interim July 9, 6am to 9am PDT
    - To cover any action items resulting from the June 25th meeting

- July 2025 802.3 Plenary – Madrid, Spain (July 27 – Aug 1, 2025)
    - 802.3df TF days TBD
    - In person with remote access – REGISTRATION REQUIRED
        - See https://www.ieee803.org/3/interims/index.html for information.

Having exhausted the agenda, the chair adjourned the meeting at **1:42 PM CDT**.

Appendix A: IEEE P802.3dg Long-Reach Single Pair Ethernet Task Force Attendance

Name	Affiliation	WEBEX	IMAT
Agarwal, Uttam	Texas Instruments Inc.	YES	YES
Ahuja, Ramanjit	ON Semiconductor	YES	YES
Arroyo, Hector	Analog Devices Inc.	YES	YES
Baggett, Tim	Microchip Technology, Inc.	YES	YES
Bar-Niv, Amir	Marvell	YES	YES
Boyer, Rich	Aptiv Signal and Power Solutions	YES	YES
Brandt, David	Rockwell Automation	YES	YES
Brychta, Michal	Analog Devices Inc.	YES	YES
Chimento, Nicholas	Analog Devices Inc.	YES	YES
Chini, Ahmad	Broadcom Corporation	YES	YES
Donahue, Curtis	Rohde & Schwarz	YES	YES
Graber, Steffen	Pepperl+Fuchs SE	YES	YES
Gubow, Martin	Keysight Technologies	YES	YES
Houck, TJ	Marvell Semiconductor, Inc.	YES	YES
Hutchison, Guy	Aviva Links Inc; Aviva Links Inc.	YES	YES
HYAKUTAKE, YASUHIRO	Orbray Co., Ltd.	YES	YES
Jones, Chad	Cisco Systems, Inc.	YES	YES
Jones, Peter	Cisco Systems, Inc.	YES	YES
Jonsson, Ragnar	Marvell	YES	YES
Kapoor, Samay	Aviva Links Inc.	YES	YES
Kleinwaechter, Mathias	in-tech GmbH	YES	YES
Kock, Joerg	NXP Semiconductors	YES	YES
Lewis, Jon	Dell Technologies	YES	YES
Lim, Hoei	Aviva Links Inc; Aviva Links Inc.	YES	YES
Long, Richard	TE Connectivity	YES	YES
Lou, Wei	Broadcom Corporation	YES	YES
Maguire, Valerie	Copperopolis, affiliated with CME Consulting and Cisco	YES	YES
Mark, Simon	Wurth Electronik Group	YES	YES
McClellan, Brett	Marvell Semiconductor, Inc.	YES	YES
Murray, Brian	Analog Devices Inc.	YES	YES
Ng, Hiok Tiaq	Aviva Links Inc; Aviva Links Inc.	YES	YES
Paul, Michael	Analog Devices	YES	YES
Pischl, Neven	Broadcom Corporation	YES	YES
Potterf, Jason	Cisco Systems, Inc.	YES	YES
Razavi, Alireza	Marvell	YES	YES
Sedarat, Hossein	Ethernovia	YES	YES
Stencel, Leonard	TDK Corporation of America	YES	YES
Strohmeier, Heiko	Robert Bosch GmbH	YES	YES
Sun, jingcong	Motorcomm Electronic Technology Co	YES	YES
Thompson, Geoffrey	INDEPENDENT	YES	YES
Torres, Luisma	Knowledge Development for Plastic Optical Fiber	YES	YES

Name	Affiliation	WEBEX	IMAT
Turner, Max	Ethernovia	YES	YES
Vakilian, Kambiz	Broadcom Corporation	YES	YES
Voss, Robert	Panduit Corp.	YES	YES
Wienckowski, Natalie	IVN Solutions LLC; Ethernovia	YES	YES
Withey, James	Fluke Corporation	YES	YES
Wu, Peter	Marvell Semiconductor, Inc.	YES	YES
Zerna, Conrad	Aviva Links Inc	YES	YES
Zhang, Tingting	Huawei Technologies Co., Ltd	YES	YES
Zhuang, Yan	Huawei Technologies Co., Ltd	YES	YES
Zimmerman, George	CME Consulting/Analog Devices, APL Group, Cisco, Marvell, OnSemi, Sony	YES	YES
Webex Only - no IMAT		**WEBEX**	**IMAT**
Cordaro, Jay	Analog Devices	YES	NO
Haasz, Jodi	IEEE SA	YES	NO

Appendix B, Motion 1 Roll Call Vote

Name	Vote
Ahuja, Ramanjit	Abstain
Baggett, Tim	Yes
Bar-Niv, Amir	Yes
Boyer, Rich	Yes
Brandt, David	Yes
Brychta, Michal	Yes
Donahue, Curtis	Yes
Graber, Steffen	Yes
Gubow, Martin	Yes
Hyakutake, Yasuhiro	Yes
Jones, Peter	Yes
Jonsson, Ragnar	Yes
Kleinwaechter, Mathias	Yes
Kock, Joerg	Yes
Lou, Wei	Yes
Maguire, Valerie	Yes
Murray, Brian	Yes
Stencel, Leonard	Yes
Strohmeier, Heiko	Yes
Sun, Jingcong	Yes
Thompson, Geoffrey	Abstain
Turner, Max	Yes
Voss, Robert	Yes
Wienckowski, Natalie	Yes
Withey, James	Yes
Zhuang, Yan	Yes