

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

September 16, 2025, Hybrid Interim Meeting
In-Person in Minneapolis, MN and via Webex
Prepared by Bob Voss
All times in CDT

IEEE P802.3dg Task Force meeting was called to order at 09/16/2025, 8:06 AM by the task force chair, George Zimmerman.

The meeting was held electronically using Webex.

Attendance is listed in Appendix A.

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#_3_Aug_2025

The Chair displayed and proceeded to review the agenda in
https://www.ieee802.org/3/dg/public/May_2025/agenda_3dg_01b_20250916.pdf

Motion #1

Move to approve the agenda as shown on agenda_3dg_01_20250916.pdf slide 3

M: Brian Murray
S: Val Maguire

Procedural (> 50%)

Motion passes by unanimous consent

The agenda was approved at 8:09AM.

Approval of prior meeting minutes

Need to approve the July28, 2026 Plenary, and September 9, 2025 Interim P802.3dg meeting minute at:
https://www.ieee802.org/3/dg/public/May_2025/Unconfirmed_minutes_3dg_07282025.pdf
and
https://www.ieee802.org/3/dg/public/May_2025/Unconfirmed_minutes_3dg_09092025.pdf

Motion #2

Move to approve the July 28, 2025 Plenary, and September 9, 2025 Interim IEEE P802.3dg meeting minutes at:

https://www.ieee802.org/3/dg/public/May_2025/Unconfirmed_minutes_3dg_07282025.pdf
and
https://www.ieee802.org/3/dg/public/May_2025/Unconfirmed_minutes_3dg_09092025.pdf

M: Brian Murray
S: Val Maguire

Procedural (> 50%)

Motion passes by unanimous consent.

The chair continued the agenda deck.

Members of the Press, at 8:12 AM the chair asked for any press members to identify themselves. None heard.

Goals for the Meeting

- Respond to comments on initial working group ballot of 802.3dg

The chair reviewed slides with the task force pertaining to Meeting Fees, Reflector and Web, Task Force Private Area, Ground Rules,

Attendance, the Chair advised the group that the attendance would be taken from from Webex.

At 8:25 AM, the Chair resumed review of the agenda deck, including the following items – 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, The Chair reviewed the slides relating to the patent policy.

The **Call for Patents** was made at 8:26 AM and **none** responded.

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

At 8:27 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.

The chair said there are no liaisons or communications for the task force to consider at this meeting. The chair reviewed the revised timeline with the task force. The chair said that presentations offered for today's meeting will be heard when the comment they pertain to comes up.

Comment Resolution

The chair began comment resolution at 8:35 AM with Motion #3.

Motion #3

Move to approve proposed responses for all comments marked with the topic "EZ" except 102 & 114 in https://www.ieee802.org/3/dg/comments/Proposed_IEEE_P802p3ddg_D2p0.xlsx.

M; Rich Boyer
S: Brian Murray

Technical (>= 75%)

The motion passed by unanimous consent.

The chair chose comments marked with the topic "PMA Electrical" to start. This category of comments completed at 9:15AM.

The next category of comments chosen are marked with the topic "RS-FEC."

Morning break: 10:02AM > 10:20AM

After morning break, the task force resumed processing RS-FEC comments.

At 11:13 AM, the chair asked Mr. Brychta to give his presentation in support of his comment on Comment 244.

Presentation: Auto-Negotiation of Voltage Level (comment 244)

Presenter: Michal Brychata, Analog Devices

https://www.ieee802.org/3/dg/public/May_2025/Brychta_3dg_01_09162025.pdf

Beginning at 11:30 AM, questions were asked and answered.

At 11:54 AM, the chair moved to the next presentation.

Presentation: 100BASE-T1L: Downshift/Upshift Comment 255

Presenter: Peter Jones, Cisco Systems

https://www.ieee802.org/3/dg/public/May_2025/jones_3dg_september_2025_01.pdf

Lunch Break: 12:06PM > 1:15PM

At 1:16 PM, the task force resumed comment resolution.

Afternoon Break: 3:15 PM > 3:30 PM

At 3:34 PM, the task force resumed comment resolution.

At 3:45 PM, Mr. Murray offered a presentation in support of his comments on Comment 231.

Presentation: PCS Running Disparity Comment No. 231

Presenter: Brian Murray, Analog Devices

https://www.ieee802.org/3/dg/public/May_2025/Murray_3dg_01_09162025.pdf

Beginning at 3:58PM, questions were asked and answered.

The chair invited Mr. Graber to give his presentations in support of his comments

Presentation: Clause 104 changes for Type H PSE or PD

Presenter: Steffen Graber, Pepperl+Fuchs

https://www.ieee802.org/3/dg/public/May_2025/Clause%20104%20Changes%20for%20Type%20H%20PSE%20or%20PD.pdf

Beginning at 4:16 PM, questions were asked and answered.

At 4:19 PM, Mr. Graber offered his second presentation.

Presentation: 100BASE-T1L MDI RL

Presenter: Steffen Graber, Pepperl+Fuchs

https://www.ieee802.org/3/dg/May_2025/graber_3dg_01_09092025.pdf

Beginning at 4:27 PM, questions were asked and answered

The chair resumed comment resolution process at 4:34 PM.

Having exhausted the available time, the chair recessed the task force meeting at **6:15PM**.

At 10:19AM on 17Sep2025, the task force chair, George Zimmerman, called the task force out of recess.

Members of the Press, At 10:22AM, the chair asked members of the press present in the meeting to identify themselves. None heard.

The chair gave the **Call for Patents** at 10:23AM. None responded to the call for patents

Copyright Policy, Codes of Ethics and Conduct, Individual Process slides, Fair and Equitable Consideration, and task force position in the IEEE process slides were shown by the chair.

Comment resolution resumed at 10:27AM CDT. The chair announced that 94 comments remained to be resolved.

At 11:34AM, the chair, Mr. Zimmerman, handed over the meeting to Ms. Maguire temporarily.

Mr. Zimmerman resumed as chair at 11:46AM.

The chair announced that 68 comments remain to close. Comment resolution is suspended until the Electronic Ad Hoc, scheduled 24SEP2025 (see below in Next Meetings).

Next Meetings

- November 2025 802 Plenary, Bangkok, Thailand
 - November 10 – 14, 2025, TF days TBD
 - Marriott Marquis Queen's Park – Bangkok, Thailand
 - In-person with remote access – REGISTRATION REQUIRED
 - See <https://www.ieee802.org/3/interims/index.html> for information
- Contingent Electronic Ad Hoc to complete comment resolution on D2.0:
 - September 24, 2025, 7 AM – 10 AM Pacific
 - See <https://ieee802.org/3/calendar.html> for details
 - 802.3dg TF days Tuesday/Wednesday

Having exhausted the allotted time for this meeting, the chair adjourned the meeting at 12:00PM

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

Name	Affiliation	IMAT 9/16	WebEx 9/16	IMAT 9/17	WebEx 9/17
Ahuja, Ramanjit	ON Semiconductor	X	X	X	X
Aripirala, Ravi	Texas Instruments (India) Pvt. Ltd.	X	X		
Baggett, Tim	Microchip Technology, Inc.	X	X	X	
Bar-Niv, Amir	Marvell	X	X	X	X
Beauregard, Francois	Belden	X	X		
Boyer, Rich	Aptiv Signal and Power Solutions	X	X	X	X
Brandt, David	Rockwell Automation	X	X	X	X
Brychta, Michal	Analog Devices Inc.	X	X	X	X
cheng, xiaoyue	Infineon Technologies	X	X		
Chimento, Nicholas	Analog Devices Inc.	X	X	X	X
Chini, Ahmad	Broadcom Corporation	X	X	X	X
Dai, Shaoan	Infineon Technologies	X	X	X	X
Dalmia, Kamal	Aviva Links Inc	X	X		
Donahue, Curtis	Rohde & Schwarz			X	X
Enoki, Naomichi	Murata Electronics	X		X	
Enoki, Nile	Murata		X		X
Estrakh, Daniel	Valens Semiconductor	X	X	X	X
Fuller, Paul	Marvell	X	X		
Graba, James	Broadcom Corporation	X	X		
Graber, Steffen	Pepperl+Fuchs SE	X	X	X	X
Gupta, Ajeya	General Motors Company	X	X		
Haasz, Jodi	IEEE SA		X		
Haight, Marissa	IEEE SA		X		X
Hogenmueller, Thomas	Robert Bosch GmbH	X	X	X	X
Houck, TJ	Marvell Semiconductor, Inc.	X		X	
HYAKUTAKE, YASUHIRO	Orbray Co., Ltd.	X	X	X	X
Jeffries, Brad	ADI		X		
Jones, Chad	Cisco Systems, Inc.	X	X	X	X
Jones, Peter	Cisco Systems, Inc.	X	X	X	X
Jonsson, Ragnar	Marvell	X	X	X	X
Kim , Gyudong	ADI		X		
Kim, Do Kyun	LG ELECTRONICS	X	X	X	
Kim, Gyudong	Analog Devices Inc.	X		X	
Kock, Joerg	NXP Semiconductors	X	X	X	X
Lasry, Ariel	Qualcomm Technologies, Inc	X	X	X	X
Law, David	Hewlett Packard Enterprise	X			
Lee, Ching-Yen	Realtek Semiconductor Corp.	X	X		
Lewis, Jon	Dell Technologies	X	X	X	X
Lo, William	Axonne Inc.	X	X	X	X
Long, Richard	TE Connectivity			X	X
Lou, Wei	Broadcom Corporation	X	X	X	X

Name	Affiliation	IMAT 9/16	WebEx 9/16	IMAT 9/17	WebEx 9/17
Maguire, Valerie	Copperopolis (aff'l with CME Consulting, Cisco, and Analog Devices, Inc.)	X	X	X	X
McClellan, Brett	Marvell Semiconductor, Inc.	X	X	X	X
Miskho, Michael	Analog Devices Inc.	X	X	X	X
Muma, Scott	Microchip Technology, Inc.	X	X	X	X
Murray, Brian	Analog Devices Inc.	X	X	X	X
Ng, Tiaq	Aviva Links		X		
Pal, Debajyoti	ON Semiconductor	X	X	X	X
Pandey, Sujan	Velink	X	X	X	X
Paul, Michael	Analog Devices	X	X		X
Pischl, Neven	Broadcom Corporation	X	X	X	X
Potterf, Jason	Cisco Systems, Inc.	X	X	X	X
Rajagopal, Karthik	Texas Instruments Inc.			X	X
Razavi, Alireza	Infineon			X	X
Regev, Alon	Keysight Technologies	X	X	X	X
Reinhard, Michael	SEI Automotive Europe GmbH	X	X	X	X
Schreiner, Stephan	Rosenberger	X	X	X	X
Sedarat, Hossein	Ethernovia			X	X
SETH, SUMANTRA	Texas Instruments Inc.	X	X	X	X
Sharma, Rohit	Molex Incorporated	X	X	X	
Slavick, Jeff	Broadcom Inc	X	X		
Sriram, Chandrasekhar	Texas Instruments			X	X
Sun, jingcong	Motorcomm Electronic Technology Co	X	X		
TAZEBAY, MEHMET	Broadcom Corporation	X	X	X	X
Thompson, Geoffrey	INDEPENDENT	X	X	X	X
Vakilian, Kambiz	Broadcom Corporation	X	X	X	X
Vanderlaan, Paul	Panduit Corp.	X	X		
Veloso Cauce, Gumersindo	BMW AG; BMW Group	X	X	X	X
Voss, Robert	Panduit Corp.	X	X	X	
Wei, Terry	Analog Devices Inc.	X	X	X	X
Wienckowski, Natalie	IVN Solutions LLC; Ethernovia	X	X	X	X
Withey, James	Fluke Corporation	X	X		
Zhang, Tingting	Huawei Technologies Co., Ltd	X	X		
Zhang, Wei	Broadcom Corporation	X	X	X	X
Zhuang, Yan	Huawei Technologies Co., Ltd	X	X	X	X
Zimmerman, George	CME Consulting/Analog Devices, APL Group, Cisco, Infineon, OnSemi, Sony	X	X	X	X