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

July 28, 2025, Hybrid Plenary Meeting
via Webex
Prepared by Bob Voss
All times in CEST (Madrid)

IEEE P802.3dg Task Force meeting was called to order at 07/28/2025, 4:31 PM by the task force chair, George Zimmerman.

The meeting was held in person in Madrid, Spain, and 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

The Chair displayed and proceeded to review the agenda in
https://www.ieee802.org/3/dg/public/May_2025/agenda_3dg_01b_20250728.pdf

The agenda was approved at 4:34 PM by unanimous consent.

**Approval of prior meeting minutes**

Approve multiple 802.3dg meeting minutes at:
> https://www.ieee802.org/3/dg/public/May_2025/Unconfirmed_minutes_3dg_03122025.pdf
> https://www.ieee802.org/3/dg/public/may2025/Unconfirmed_minutes_3dg_20250625.pdf
> https://www.ieee802.org/3/dg/public/may2025/Unconfirmed_minutes_3dg_20250709.pdf

> **Motion #1**
> **Move to approve the May 13, June 25, and July 9, 2025, Interim IEEE P802.3dg minutes**
> https://www.ieee802.org/3/dg/public/May_2025/Unconfirmed_minutes_3dg_03122025.pdf
> https://www.ieee802.org/3/dg/public/may2025/Unconfirmed_minutes_3dg_20250625.pdf
> and
> https://www.ieee802.org/3/dg/public/may2025/Unconfirmed_minutes_3dg_20250709.pdf
>
> **M:     Jon Lewis**
> **S:     Valerie Maguire**
>
> **Procedural (> 50%)**
>
> **Motion passes, approved without objection**

**Members of the Press,** at 4:37 PM the chair asked for any press members to identify themselves. None heard.

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

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

**Goals for the Meeting**

**P802.3dg**
- Fill in remaining TBDs
- Review draft for technical completeness
- Request initial Working Group ballot

**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

The chair displayed and reviewed slides for **Reflector and Web** and **802.3dg Task Force Private Area**.

**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 Webex and IMAT. In-room participants were asked to please log into Webex to request to join the queue by entering the letter "Q" in the chat.

At 4:43 PM, 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 1 through 4 were displayed.

The **Call for Patents** was made at **4:44 PM** and **none** responded.

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

At 4:45 PM, 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 4:51PM, the chair moved to presentations and discussion.

At 4:52 PM, the chair moved to the first presentation.

Presentation:  Transmit PSD, MDI Return Loss and Droop
Presenter:      Michal Brychta, affiliated with Analog Devices

https://www.ieee802.org/3/dg/public/May_2025/Brychta_3dg_01_07282025_update.pdf

Beginning at 5:14 PM, questions were asked and answered.

At 5:23 PM, the chair moved to the next presentation.

Presentation:  MDI Mode Conversion Loss and MDI Fault Tolerance
Presenter:      Michal Brychta, affiliated with Analog Devices

https://www.ieee802.org/3/dg/public/May_2025/Curran_3dg_01_07282025_update.pdf

At 5:34 PM, questions were asked and answered.

At 5:51 PM, the chair moved to the next presentation.

Presentation:  Delay constraints and LPI timing parameters
Presenter:      Michal Brychta, affiliated with Analog Devices

https://www.ieee802.org/3/dg/public/May_2025/Riesco_3dg_01_07282025.pdf

The chair called for questions about this presentation. None heard.

The next presentation began at 5:57 PM.

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

https://www.ieee802.org/3/dg/public/May_2025/zhuang_3dg_01_0725.pdf

No questions were heard regarding the Editor's Report.

The chair then asked the task force to review the editor's notes in the draft. Yan led the review of these notes by displaying the draft.

During the editor's notes review, the chair asked if there was any objection to editing Figure 190-4, offering to provide a motion to add the corrected figure to the draft. No objections heard.

Yan reviewed the editor's notes review by moving to the next note.

**Motion #2**

**Move to adopt slides 11 & 12 of**
**https://www.ieee802.org/3/dg/public/May_2025/Riesco_3dg_01_07282025.pdf**
**and remove Editor's Notes associated with the related text in d1p3**

> **M:      Jon Lewis**
> **S:      Michal Brychta**
>
> **Technical >=75%**
>
> **Motion passes without objection.**

**Motion #3**
**Move to replace Figure 190-4 with Frame-drawn figure and correct PMA Service Interface Symbols, S_7 and S_12 to S_6 and S_11.**

> **M:      Valerie Maguire**
> **S:      Peter Jones**

**Technical >= 75%**

**Motion passes without objection**

**Motion #4**
**Move to adopt slide 10 of**
https://www.ieee802.org/3/dg/public/May_2025/Curran_3dg_01_07282025_update.pdf
**with editorial license to follow equation style.**

    **M:**    **Michal Brychta**
    **S:**    **Peter Jones**

    **Technical >= 75%**

    **Motion passes without objection**

The chair asked the task force to consider overnight if the fault tolerance issue should be addressed. Tomorrow's session will begin with motions and proceed to the remaining presentation from Mr. Peter Jones.

**Having exhausted the allotted time but still having agenda items to address, the chair recessed this task force meeting until 9:00AM CEST, 29Jul2025.**

The chair called the meeting back to order at **9:01 AM CEST on 29Jul2025**. As the meeting was recessed, the chair asked if anyone hadn't seen the front matter slides or wish to review any portion in detail. The chair proceeded to review the agenda deck.

**Members of the Press,** at **9:04AM** the chair asked if there were any members of the press present and if so, that they announce themselves. None heard.

The chair continued displaying and reviewing the agenda deck

At **9:07AM**, after reviewing patent slides 1 through 4, the chair made the **Call for Patents**. None heard.

The Copyright policy was shown, and the task force was reminded by the chair that we all agree to abide by the IEEE Code of Ethics. Slides regarding Participant Behavior, Individual Process, Fair & Equitable Consideration and the project's position in the IEEE 802.3 Standards Process were displayed and read by the chair.

The chair resumed TF business resuming the previous day's discussion of MDI Fault Tolerance.

**Motions**

**Motion #5**

**Move to adopt slide 11 of Curran_3dg_01_07282025_update.pdf with editorial license.**

    **M:**    **Michal Brychta**
    **S:**    **Chad Jones**

**Technical >= 75%**

**Motion passes without objection**.

**Motion #6**

**Move to**
      **Generate draft 2.0 from Draft 1.3 and approved motions this meeting**
      **Request that IEEE 802.3 Working Group progress the draft to Working Group Ballot**

      **M:     Jon Lewis**
      **S:     Valerie Maguire**

      **Technical >= 75%**

      **Motion passes without objection**


Having concluded motions, at **9:23 AM**, the chair asked Peter Jones to present his contribution to the task force.

Presentation:  IEEE 802.3dg 100BASE-T1L Downshift/Upshift
Presenter:      Peter Jones, affiliated with Cisco Systems

https://www.ieee802.org/3/dg/public/May_2025/jones_3dg_july_2025_01.pdf (presentation)
https://www.ieee802.org/3/dg/public/May_2025/jones_3dg_july_2025_02.pdf (proposed draft text)

Mr. Jones reviewed the presentation and then moved to a preview of the proposed draft text. Both files are posted at the URLs shown above.


Beginning at 9:44 AM, questions were asked and answered.

Having concluded presentations, the chair resumed the agenda deck at 10:10 AM.

**Motion #7**

**Move to request IEEE Editorial Review 802.3dg d2.0 and subject to that review, request sharing the draft with TIA TR42.7.**

      **M:     Chad Jones**
      **S:     Jon Lewis**

      **Technical >= 75%**

      **Motion passes without objection**

**Next Meetings**

- September 2025 Interim, Minneapolis, MN
    - September 15-19, 2025, 802.3dg TF days TBD
    - In-person with remote access – REGISTRATION REQUIRED
    - See https://www.ieee802.org/3/interims/index.html for information.
- Expect much of comment resolution to be on electronic interims, to be announced.
    - Determine tentative dates for these meetings in early August
    - Chair to keep the TF apprised via the reflector.

Having exhausted the agenda, the chair adjourned the meeting at **10:17 AM CEST**.

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

| Name | Affiliation | WEBEX | IMAT |
|---|---|---|---|
| Aekins, Rob | Legrand | YES | YES |
| Ahuja, Ramanjit | Onsemi | YES | YES |
| Aronson, Joseph | TI | YES | YES |
| Arroyo, Hector | ADI | YES | YES |
| Baggett, Tim | Microchip | YES | YES |
| Bar-Niv, Amir | Marvell | YES | YES |
| Beauregard, Francois | Belden | YES | YES |
| Benyamin, Saied | Ethernovia | YES | YES |
| boyer, rich | Aptiv | YES | YES |
| Brandt, David | Rockwell Automation | YES | YES |
| Brychta, Michal | Analog Devices | YES | YES |
| Chang, Jae-yong | Keysight | YES | YES |
| Cordaro, Jay | Analog Devices,Inc. | YES | YES |
| Donahue, Curtis | Rohde & Schwarz | YES | YES |
| Eguchi, Keisuke | Analog Devices | YES | YES |
| Ganesan, Aravind | TI | YES | YES |
| Goto, Hideki | Toyota Motor Corporation | YES | YES |
| Graber, Steffen | Pepperl+Fuchs | YES | YES |
| Gubow, Martin | Keysight Technologies | NO | YES |
| Haydt, Mary Sue | Microchip | YES | YES |
| Houck, TJ | Marvell | YES | YES |
| Hutchison, Guy | Aviva Links | YES | YES |
| HYAKUTAKE, YASUHIRO | Orbray Co., Ltd. | NO | YES |
| Jeffreis, Brad | ADI | YES | YES |
| Jones, Chad | Cisco | YES | YES |
| Jones, Peter | Cisco | YES | YES |
| Jonsson, Ragnar | Marvell | YES | YES |
| Kawatsu, Yasuaki | APRESIA Systems | YES | YES |
| Kikuta, Tomohiro | Orbray Co.,Ltd. | YES | YES |
| Kim, Do Kyun | LGE | YES | YES |
| Kim, Gyudong | Analog | YES | YES |
| Kim, Kihong/Joshua | Hirose Electric (USA), Inc. | NO | YES |
| Kim, Yongbum | General Motors Company | NO | YES |
| Kleinwaechter, Mathias | in-tech | YES | YES |
| Kotani, Yasuhiro | DENSO | YES | YES |
| Law, David | Hewlett Packard Enterprise | NO | YES |
| Lewis, Jon | Dell Technologies | NO | YES |
| Lo, William | Axonne Inc. | NO | YES |
| Long, Richard | TE Connectivity | YES | YES |
| Lou, Wei | Broadcom | YES | YES |
| Maguire, Valerie | Copperopolis,aff'l w/ CME Consulting and Cisco | YES | YES |
| Mark, Simon | Wuerth Elektronik | YES | YES |
| McClellan, Brett | Marvell | YES | YES |
| Miskho, Michael | ADI | YES | YES |
| Murray, Brian | Analog Devices | YES | YES |
| Nakamura, Yuto | Furukawaelectric | YES | YES |
| Niihara, Yoshihiro | Fujikura Ltd. | YES | YES |
| Oishi, Eiichiro | Yazaki | YES | YES |
| Pandey, Sujan | Velink | NO | YES |
| Parthasarathy, Vasu | Broadcom Corporation | NO | YES |
| Paul, Michael | ADI | YES | YES |
| Razavi, Alireza | Marvell | NO | YES |

| Name | Affiliation | WEBEX | IMAT |
|------|-------------|-------|------|
| Regev, Alon | Keysight | YES | YES |
| Schedl, Anton | BMW Group | YES | YES |
| Schreiner, Stephan | Rosenberger | YES | YES |
| SETH, SUMANTRA | TI | YES | YES |
| Sharma, Rohit | Molex | YES | YES |
| Shiino, Masato | Furukawa Electric | YES | YES |
| Sriram, Chandrasekhar | Texas Instruments | YES | YES |
| Strohmeier, Heiko | Bosch | YES | YES |
| Sun, jingcong | motorcomm | YES | YES |
| Takeuchi, Junichi | JAE | YES | YES |
| Tanc, Ahmet | NXP | YES | YES |
| TAZEBAY, MEHMET | Broadcom Corporation | NO | YES |
| Thompson, Geoffrey | GraCaSi-Ind | YES | YES |
| Voss, Robert | Panduit | YES | YES |
| Wienckowski, Natalie | IVN Solutions; Ethernovia | YES | YES |
| Withey, James | Fluke | YES | YES |
| Zhuang, Yan | Huawei | YES | YES |
| Zimmerman, George | CME Consulting/ADI,APL Gp,Cisco,Marvell,OnSemi,Sony | YES | YES |