

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

Wednesday March 29, 2023  
Teleconference Ad Hoc Meeting

Prepared by Bob Voss

IEEE 802.3dg 100 Mb/s Long-Reach Single Pair Ethernet Task Force meeting was called to order at **9:06AM CDT**, Wednesday, March 29, 2023, by George Zimmerman, Chair of the IEEE 802.3dg Task Force.

The meeting was held in teleconference format, electronically via WebEx.

Attendance is listed in Appendix A

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

Bob Voss was appointed as recording secretary for the meeting. Mr. Voss has agreed to serve as recording secretary on a permanent basis.

This being a teleconference meeting asked that participants whose affiliation is not shown in their Webex post their affiliation in the chat window. No objection heard.

Mr. Zimmerman displayed and proceeded to review the agenda at [https://www.ieee802.org/3/dg/public/May\\_2022/agenda\\_3dg\\_01\\_230329.pdf](https://www.ieee802.org/3/dg/public/May_2022/agenda_3dg_01_230329.pdf)

The agenda was approved at **9:08 AM CDT** by unanimous consent.

The Chair asked if there is any objection to approving the prior meeting minutes from the March 15, 2023, as posted. The Chair also asked if anyone wished to review the meeting minutes now. None heard. Minutes were approved by unanimous consent.

**Members of the Press**, At **9:10 AM CDT** the chair asked for any press members to identify themselves. None heard.

At **9:10 AM CDT**, Mr. Zimmerman 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.

**At 9:13 AM CDT, Attendance**, Mr. Zimmerman advised the group that the attendance would be taken from Webex.

**IEEE Patent Policy**, Mr. Zimmerman showed the patent slides at **9:16 AM CDT**.

The call for patents was made at **9:18 AM CDT**. None responded.

The slides on SA Copyright Policy as well as Code of Ethics and Conduct were shown and presented at **9:21 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.

### **Presentations and Discussion:**

At **9:29 AM CDT**, the Chair moved on to presentations. Peter Fischer requested that the presentation order be reversed to hear the PHY baseline presentation prior to his contribution. Tingting Zhang obliged this request.

At **9:31 AM CDT**, **Consideration on the PHY baseline for 802.3dg** – *Tingting Zhang, Yan Zhuang, Tong Mu, Huawei Technologies*

[https://www.ieee802.org/3/dg/public/May\\_2022/Tingting\\_3dg\\_01\\_29\\_03\\_2023.pdf](https://www.ieee802.org/3/dg/public/May_2022/Tingting_3dg_01_29_03_2023.pdf)

- Presentation made by presenter
- Questions asked and answered

At **10:11 AM CDT**, **Coupling attenuation and TCL requirement proposals for 100BASE-T1L** – *Peter Fischer, BKS Kabel-Service AG*,

[https://www.ieee802.org/3/dg/public/May\\_2022/Fischer\\_3dg\\_01\\_03292023.pdf](https://www.ieee802.org/3/dg/public/May_2022/Fischer_3dg_01_03292023.pdf)

- Presentation made by presenter
- Questions asked and answered

At **10:48 AM CDT**, **Straw Polls** - *Peter Fischer, BKS Kabel-Service AG*

[https://www.ieee802.org/3/dg/public/May\\_2022/Straw\\_poll\\_03292023.pptx](https://www.ieee802.org/3/dg/public/May_2022/Straw_poll_03292023.pptx)

- Straw polls offered by presenter
- Wayne Larsen offered preliminary straw polls as a prelude to Mr. Fischer's straw polls
  - Mr. Fischer agreed to have Wayne's straw polls first
- Straw Poll 1 (W. Larsen) "I agree that we should have a TCL requirement for the link segment"
  - Y = 7
  - N = 0
  - A = 11

- Straw Poll 2 (W. Larsen) “I agree TCL should have a low frequency plateau of 50dB”
  - $Y = 3$
  - $N = 0$
  - $A = 15$
- Straw Poll 3 (W. Larsen) “Which equation do I prefer for TCL”
  - a:  $50-20\log(f/10)$
  - b:  $60-20\log(f/10)$
  - a: 3
  - b: 2
- Proposed Straw Poll 1 P. Fischer “I support to adopt the proposal in Fischer-3dg\_01\_03292023 on TCL?”
  - SKIPPED
- Straw Poll 4 (P. Fischer) “I support having a requirement for coupling attenuation”
  - $Y = 6$
  - $N = 1$
  - $A = 8$
- Straw Poll 5 P. Fischer “I support to adopt the proposal in Fischer\_3dg\_01\_03292023 on Coupling Attenuation.”
  - $Y = 2$
  - $N = 2$
  - $A = 11$

### Future Meetings

- The next task force meeting is TBD
  - Mr. Zimmerman pointed out that ad hoc meetings will be called when requests for presentation time are received
  - Wednesdays, 7am to 9am PDT
  - See <http://www.ieee802.org/3/calendar.html> for information
  - Presentation requests to the Chair no later than Friday morning Pacific Time (Thursday AoE) prior to the meeting
  - Actual presentation is due on the Monday AoE prior to the meeting (latest)
- Reminder: May 2023 802.3 Interim
  - In-person with remote access
  - See <https://www.ieee802.org/3/interims/index.html> and registration at: <https://ethernetalliance.org/ieee-interim-may-meeting-2023/>
- Follow on topics: PHY proposal (PCS, PMA, etc.)

Having exhausted the agenda, the meeting adjourned by Mr. Zimmerman at 11:04 AM CDT.

**Appendix A: Attendees at IEEE P802.3dg 100 Mb/s Long-Reach Single-Pair Ethernet Task Force**

March 29, 2023

Last Name	First Name	Affiliation	Webex
Baggett	Tim	Microchip	x
Beauregard	Francois	Belden	x
Brandt	David	Rockwell Automation	x
Carlson	Steve	HSD, Bosch, Ethernovia	x
Carty	Clark	Cisco	x
Fischer	Peter	BKS Kabel-Service AG	x
Franchuk	Brian	Emerson	x
Graber	Steffen	Pepperl+Fuchs	x
Hess	Dave	Cord Data	x
Huszak	Gergely	Kone	x
Jones	Chad	Cisco	x
Jones	Peter	Cisco	x
Larsen	Wayne	CommScope	x
Maguire	Valerie	Copperopolis	x
Mu	Tong	Huawei	x
Potterf	Jason	Cisco	x
Schneider	Ken	Telebyte	x
Thompson	Geoff	GraCaSI/Independent	x
Voss	Bob	Panduit	x
Xu	Dayin	Rockwell Automation	x
Zhang	Tingting	Huawei	x
Zhuang	Yan	Huawei	x
Zimmerman	George	CME Consulting/APL Group, Cisco, CommScope, Marvell, ON Semi, SenTekSe	x