

IEEE P802.3dg 100 Mb/s Long-Reach Single-Pair Ethernet Task Force Closing Report

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802 Plenary

March 2024

IEEE P802.3dg Project Information

Task Force Organization

George Zimmerman, IEEE P802.3dg Task Force Chair

TBD, IEEE P802.3dg Task Force Vice Chair

Bob Voss, IEEE P802.3dg Task Force Secretary

Task Force web and reflector information

Reflector information: <https://www.ieee802.org/3/dg/reflector.html>

Home page: <https://www.ieee802.org/3/dg/index.html>

Private area: (none yet)

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PAR: https://www.ieee802.org/3/dg/P802d3dg_PAR.pdf

CSD: <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0086-00-ACSD-p802-3dg.pdf>

Objectives: https://www.ieee802.org/3/dg/Objectives_adopted_8023_03172022.pdf

IEEE 802.3dg Task Force Activities at March 2024 Plenary

Met Monday March 11 & Tuesday March 12, 2024

Major items discussed, decisions made and actions

- Discussed contributions related to noise

- Discussed contributions related to PHY simulations (PAM 3 & PAM 4)

- Discussed contributions related to defining a new MII

Current status

Did not reach decision on PAM-3/PAM-4, but reached consensus on a path forward for proposers to prepare detailed simulations and rationale prior to May for decision in May

- Chair encouraged reflector discussion of questions between meetings and to build consensus

Substantial interest on a new MII specification, but less consensus that the scope of the job is one for 802.3dg. Presenter expressed that he plans to bring the topic to the NEA Ad Hoc for a wider audience.

Revised Timeline (approved 7/11/2023)

- ✓ Sept 2022 – Measurements of Noise, Link segments examples
 - ✓ Need to consider hybrid cables, separation of circuits, internal coupling
- ✓ Nov 2022 – Potential PHY & Link segment baseline starts
- ✓ Jan 2023 – PHY baseline discussion
 - Link segment baselines (electrical characteristics of communication) selected
- ❖ Jan 2024 – Draft 1.0 (baseline selected)
- ❖ Jan-May 2024 - TF review
- ❖ May 2024 – Draft 2.0, Initial WG ballot
- ❖ November 2024 – approval for SA ballot, initiate SA ballot
- ❖ March 2025 – conditional approval for RevCom
- ❖ June 2025 – SASB – standard complete

Schedule slipped! –
Need to revise
coming out of May

Next meetings

Ad hocs – notify the chair 1 week prior if you have something to present, and the meeting will be announced.

Opportunities: Wednesday 7-9 pacific, 4/3, 4/17

Other weeks, (3/27, 5/1) have conflicts on Wednesday, will find another day if needed

May 2024 802.3 Interim, Annapolis Maryland (May 13-16)

In-person with remote access

See <https://www.ieee802.org/3/interims/index.html> for information

Questions?

Thank you!