

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

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802 Plenary

March 2025

IEEE P802.3dg 100 Mb/s Long-Reach SPE Task Force Project Information

Task Force Organization

George Zimmerman, IEEE P802.3dg Task Force Chair

Bob Voss, IEEE P802.3dg Task Force Secretary

Yan Zhuang, IEEE P802.3dg Chief Editor

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>

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

Approved timeline: https://www.ieee802.org/3/dg/revised_2_timeline_20240918.pdf

Private area: <https://www.ieee802.org/3/dg/private/index.html>

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IEEE 802.3dg Task Force Activities at March 2025 plenary

Held meeting Wednesday PM1, PM2 and Thursday AM1, AM2

Major items discussed, decisions made and actions

- Adopted baselines for PCS block coding, registers, and fault signalling

- Adopted draft text, chartered edited to produce D1.0 in preparation for Task Force review

Current status

- Task Force Review to get to Working Group ballot

IEEE P802.3dg 100 Mb/s Long-Reach SPE Task Force Adopted Timeline

802.3dg

Revised² Timeline

Adopted by TF
9/18/2024

- ✓ 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
- ✓ July 2024 – Major PCS/PMA baselines selected
- ❖ Nov 2024 – Draft 1.0 (baselines + skeleton draft)
- ❖ Nov - Mar 2025 - TF review
- ❖ May 2025 – Draft 2.0, Initial WG ballot
- ❖ Nov 2025 – initiate SA ballot
- ❖ Mar 2026 – conditional approval for RevCom
- ❖ June 2026 – SASB – standard complete

IEEE P802.3dg Next meetings

Ad hocs – Wednesday 7-9 pacific, (AS NEEDED,
CALLED OFF IF NO REQUESTS)

May 2025 802.3 Interim, New Orleans, LA USA - days
TBA

In-person with remote access

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

Questions?

Thank you!