

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

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802 Plenary
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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 Monday PM2 and Tuesday AM1

Major items discussed, decisions made and actions

- Filled remaining TBDs and made updates to the draft

- Confirmed technical completeness of draft & removed editorial notes

- Chartered editors to produce D2.0 and chair to request initial WG ballot

Current status

- Requesting initial WG ballot

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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

Task Force 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 $\geq 75\%$) Motion Passes without objection

Motion

Move that the IEEE 802.3 Working Group progress the IEEE P802.3dg draft 2.0 to Working Group ballot.

M: Made on behalf of the Task Force

Task Force Motion #7

Move to request IEEE editorial review of 802.3dg D2.0 and subject to that review, request sharing the draft with TIA TR42.7.

M: Chad Jones

S: Jon Lewis

(Technical $\geq$ 75%) Motion Passes without objection

Motion

Move to request IEEE editorial review of 802.3dg D2.0 and subject to that review, share the draft with TIA TR42.7

M: On behalf of the task force

IEEE P802.3dg Next meetings

September 2025 802.3 Interim, Minneapolis, MN USA

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.

Questions?

Thank you!