

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

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802 Plenary

March 2023

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 since November 2022 plenary

Held meetings Dec 14 2022; Jan 18, 2023 (802.3 interim)

Major items discussed, decisions made and actions

- Discussed contributions related to link segment parameters

- Discussed contributions related to PHY parameters interacting with link segments

Current status

- Reexamining and building consensus around key link segment parameters for baseline adoption

- Initial consideration of PHY signaling

Adopted Timeline (9/13/2022)

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

Mar 2023 – Draft 1.0 (baseline selected)

May 2023 - TF review

July 2023 – Draft 2.0 target, Initial WG ballot

November 2023 – approval/conditional approval for SA ballot

January 2024 – Draft 3.0 Initiate SA ballot

June 2024 – complete SA ballot, Revcom & SASB

Status to Adopted Timeline (9/13/2022)

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 **(REFINING)**

Mar 2023 – Draft 1.0 (baseline selected) [Likely at least July 2023]

==== Below to WG ballot slips, possible catch up after that ====

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Meeting week plan

Goals for the meeting

- Determine refinements to link segments

- Get back on track for PHY baseline selection

Big ticket items

- Link Segment noise parameters

- Temperature adjusted insertion loss

Meets Wed Mar 15 – 1300-1800 EDT (UTC - 4)

Meets Thu Mar 16 – 0800-1200 EDT (UTC – 4)

Questions?

Thank you!