

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

George Zimmerman

CME Consulting/APL Group, Cisco, CommScope,
Marvell, OnSemi, SenTekSe

802 Plenary

November 2022

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 July 2022 plenary

Held meetings Aug 17, Aug 31, Sept 13, Oct 12, Oct 24, and Nov 2, 2022

Major items discussed, decisions made and actions

- Discussed contributions related to link segment parameters

- Discussed contributions related to PHY parameters interacting with link segments

- Discussed Noise environment

- Adopted timeline (https://www.ieee802.org/3/dg/adopted_timeline_3dg_01_220913.pdf)

Current status

- Building consensus around key link segment parameters for baseline adoption, in preparation for PHY baselines

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

Special topic – IEC/IEEE 60802 References to 802.3

The IEEE 802.3dg Task Force expects to discuss a contribution by Ludwig Winkel to IEC/IEEE 60802 concerning profiling of IEEE 802.3 in that document

- References to 802.3 PHYs (including those from 802.3cg)

Discussion is scheduled for Wednesday in the 802.3dg meeting, right after the break

IEEE 802.3dg Task Force

Meeting week plan

Goals for the meeting

- Continue gathering input on link segments

- Consider adopting a frequency range

Big ticket items

- Link Segment noise parameters

- Discussion of IEC 60802 relation to 802.3

Meets Wednesday Nov 16 –0800-1800 ICT (GMT +7)

Starts Tues 11/15 at 5PM US Pacific time

Questions?

Thank you!