

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

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802 Plenary  
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# IEEE P802.3dg Project Information

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## 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](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](https://www.ieee802.org/3/dg/Objectives_adopted_8023_03172022.pdf)

# IEEE 802.3dg Task Force

## Activities since March 2023 plenary

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Held meetings Mar 29, 2023; May 17, 2023 (802.3 interim); June 20, 2023

### Major items discussed, decisions made and actions

- Discussed contributions related to link segment parameters

  - Interference parameters – straw polls indicated more PHY information needed to make modifications to link segment parameters

- Discussed contribution related to PHY parameters interacting with crosstalk

- Discussed contributions relating to potential new MII specification – no proposal yet

### Current status

- Considering modification of baselined link segment parameters

- Initial consideration of PHY signaling

# Adopted Timeline (9/13/2022)

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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

**NEED TO REVISE – AT LEAST 6 MONTH SLIP**

# IEEE 802.3dg Task Force

## Meeting week plan

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### Goals for the meeting

- Resolve proposed refinements to link segments
- Get back on track for PHY baseline selection

### Big ticket items

- Link Segment noise parameters
- Temperature adjusted insertion loss
- Prime the pump on PHY discussions

Meets Tue Jul 11 –0800-1800 (CEST) (UTC +2)

Questions?

Thank you!