

# 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 Sept 13, 2023 (802.3 interim); Oct 25, 2023 (ad hoc)

### Major items discussed, decisions made and actions

- Discussed contributions related to link segment measurements

  - Confirming consensus baselines

- Discussed contribution related to PHY parameters

  - Getting to details on modulation and PCS parameters

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

### Current status

- Consideration of PHY signaling leading to baseline selection

# Revised Timeline (approved 7/11/2023)

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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
- ❖ Jan 2024 – Draft 1.0 (baseline selected)
- ❖ Jan-May 2024 - TF review
- ❖ May 2024 – Draft 2.0, Initial WG ballot
- ❖ November 2024 – approval for SA ballot, initiate SA ballot
- ❖ March 2025 – conditional approval for RevCom
- ❖ June 2025 – SASB – standard complete

# IEEE 802.3dg Task Force

## Meeting week plan

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### Goals for the meeting

- Continue work towards PHY baseline selection
- Consider new MII definition

### Big ticket items

- Reach/FEC considerations for PHY
- Resolve whether a new MII definition is needed

### Meets:

- Wed Nov 15 – 1300-1800 (hawaii – UTC-10)
- Thurs Nov 16 – 0800-1200 (hawaii – UTC-10)

Questions?

Thank you!