

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

George Zimmerman  
CME Consulting/APL Group, Cisco, Marvell,  
OnSemi, SenTekSe  
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 at July 2023 Plenary

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Met Tuesday July 11, 2023

## Major items discussed, decisions made and actions

- Discussed contributions related to link segment parameters

  - Interference parameters

- Discussed contribution related to next-level PHY considerations and analysis

- Discussed contribution relating to potential new MII specification

## Current status

- Adopted TCL and modified link segment alien crosstalk parameters

- Discussed considerations and way forward for PHY analysis

- Expressed support for adding a “new MII” objective, but did not write one yet

- Revised timeline

# New MII work

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## Straw Poll

- I support adding an objective to define one or more new MII interfaces (detailed wording is TBD)
  
- Y:25
- N:1
- A:14

# 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

# Next meetings

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August 2, 7-9am pacific – ad hoc

September 2023 802.3 Interim, Campinas

In-person with remote access

See <https://www.ieee802.org/3/interims/index.html> for information

Follow on topics: Progress on PHY proposals (PCS, PMA, FEC or other noise strategy, etc.), Progress MII discussion, Build consensus to baselines

Questions?

Thank you!