

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

Note: The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights

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 during November 2022 plenary

---

Held meeting November 16, 2022

Major items discussed, decisions made and actions

Discussed 12 contributions related to: link segment specifications (7), the motor control use case (2), the process control use case (2), proposed IEEE 802.3 references for the IEC/IEEE 60802 industrial automation protocol (1)

Adopted link segment insertion loss specification including bandwidth

Current status

Building consensus around additional link segment parameters for baseline adoption, continuing PHY analysis for baseline development

# 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

# IEEE 802.3dg Task Force

## Next Steps

---

Continue bi-weekly ad hoc meetings to build consensus for the January 802.3 interim meeting

Next adhoc meeting:

Wednesday November 30 –0700-0900 Pacific time (Webex)

Questions?

Thank you!