

Greater than 10 Mb/s Long-Reach Single-Pair Ethernet (GT10MSPE) Study Group Opening Report

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

Electronic Plenary

March 2022

IEEE 802.3 SPEP2P Study Group

Study Group information

Study Group Organization

George Zimmerman, IEEE 802.3 GT10MSPE Study Group Chair

Steve Carlson, IEEE 802.3 GT10MSPE Study Group Vice Chair

Study Group charter

Develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for Greater than 10 Mb/s long-reach point-to-point Single-Pair Ethernet PHYs and Associated Powering

Study Group web and reflector information

Reflector information: <https://www.ieee802.org/3/GT10MSPE/reflector.html>

Home page: <https://www.ieee802.org/3/GT10MSPE/index.html>

(No private area)

IEEE 802.3 SPEP2P Study Group

Activities since November 2021 plenary

Held meetings Nov 10, 2021, Dec 8, 2021, Jan 19, 2021

Major items discussed, decisions made and actions

Study Group converged on project documentation around a 100Mb/s long-reach SPE PHY with associated powering

Draft PAR: <https://www.ieee802.org/3/GT10MSPE/P802.3dg.pdf>

Draft CSDs: https://www.ieee802.org/3/GT10MSPE/CSD_3GT10M_01_11102021_out.pdf

Draft Objectives: https://www.ieee802.org/3/GT10MSPE/Objectives_11102021_SGadopted.pdf

Study group discussed the need for a “low-latency mode” objective

(1.5 usec on a constrained link segment)

Current status

Consensus built around existing objectives, PAR, CSD

Need to respond to any comments on the PAR & CSDs

Need to finalize objectives for confirmation by the 802.3 Working Group

IEEE 802.3 SPEP2P Study Group

Meeting week plan

Goals for the meeting

- Respond to comments on PAR/CSD drafts

- Conclude discussion on objectives

Big ticket items

- Resolve discussion of a reduced-latency objective, on a constrained link segment

Meets Wed. Mar 16, 2022, 7-9AM Pacific Time (1500 UTC)

Questions?

Thank you!