

# IEEE 802.3 Enhancements to Point-to-Point Single Pair Ethernet (SPEP2P) Study Group Closing Report

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

Electronic Plenary

July 2021

# IEEE 802.3 SPEP2P Study Group

## Study Group information

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### Study Group Organization

George Zimmerman, IEEE 802.3 SPEP2P Study Group Chair

Jon Lewis/Bob Voss, IEEE 802.3 SPEP2P Study Group Secretary

### Study Group charter

Develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for Enhancements to point-to-point Single Pair Ethernet to:

1. Support Time-Sensitive Networking (TSN), and
2. Support increasing traffic and speed needs with long reach point-to-point higher-speed single-pair PHYs

### Study Group web and reflector information

Reflector information: <http://www.ieee802.org/3/SPEP2P/reflector.html>

Home page: <http://ieee802.org/3/SPEP2P/index.html>

(No private area)

# IEEE 802.3 SPEP2P Study Group Activities in July 2021 plenary

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Met electronically 21 July 2021

Major items discussed, decisions made and actions

Responded to comments and produced draft PAR, CSDs, Objectives for proposed 802.3de on MACMERGE & TSSI for new 10 Mbps SPE PHYs

Held CFI and straw polls for continued work on greater than 10 Mb/s long-reach point to point SPE

Near-term (MACMERGE/TSSI for P2P SPE):

Approved by unanimous consent:

PAR: [http://www.ieee802.org/3/SPEP2P/P802.3de\\_07212021.pdf](http://www.ieee802.org/3/SPEP2P/P802.3de_07212021.pdf)

CSD response: [http://www.ieee802.org/3/SPEP2P/Clean\\_CSD\\_10Mb\\_TSN\\_Enh\\_07212021.pdf](http://www.ieee802.org/3/SPEP2P/Clean_CSD_10Mb_TSN_Enh_07212021.pdf)

Approved by motion: (Y:

Draft objectives, approved by Study Group: [https://www.ieee802.org/3/SPEP2P/objectives\\_07212021.pdf](https://www.ieee802.org/3/SPEP2P/objectives_07212021.pdf)

Long-term (next-speed):

Heard consensus building presentation for continuation of study group focused on this effort (see CFI closing report) [https://www.ieee802.org/3/SPEP2P/public/SPE\\_long\\_term\\_cfi.pdf](https://www.ieee802.org/3/SPEP2P/public/SPE_long_term_cfi.pdf)

# Motion X

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Move that the IEEE 802.3 Working Group approve the IEEE 802.3de Enhancements to the MAC Merge function and the Time Synchronization Service Interface (TSSI) to include Point-to-Point 10 Mb/s Single Pair Ethernet PAR as in <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0113-02-00EC-ieee-p802-3de-draft-par-responses.pdf>

M: G. Zimmerman

S: P. Jones

# Motion X+1

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Move that the IEEE 802.3 Working Group approve the IEEE 802.3de Enhancements to the MAC Merge function and the Time Synchronization Service Interface (TSSI) to include Point-to-Point 10 Mb/s Single Pair Ethernet CSD responses as in <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0112-01-00EC-ieee-p802-3de-draft-csd-responses.pdf>

M: G. Zimmerman

S: P. Jones

## Motion X+2

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Move that the IEEE 802.3 Working Group approve the IEEE 802.3de Enhancements to the MAC Merge function and the Time Synchronization Service Interface (TSSI) to include Point-to-Point 10 Mb/s Single Pair Ethernet Objectives, as in [https://www.ieee802.org/3/SPEP2P/objectives\\_07212021.pdf](https://www.ieee802.org/3/SPEP2P/objectives_07212021.pdf)

M: G. Zimmerman

S: P. Jones

## Motion X+3

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Move that the IEEE 802.3 Working Group approve:  
IEEE\_802d3\_to\_SC25\_0721\_draft with editorial license  
granted to the Chair (or his appointed agent) as a liaison  
communication from the IEEE 802.3 Working Group to  
ISO/IEC JTC1 SC25 WG3

M: G. Zimmerman

S: P. Jones

Questions?

Thank you!