IEEE P802.3de Time Synchronization for Point-to-Point Single Pair Ethernet Task Force Report

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Electronic Plenary

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IEEE P802.3de Project Information

Task Force Organization

George Zimmerman, IEEE 802.3de Task Force Chair & Editor

Task Force web and reflector information

Reflector information: https://www.ieee802.org/3/de/reflector.html

Note – project uses same reflector as GT10Mb/s SPE SG, please put 802.3de in the Subject line

Home page: https://www.ieee802.org/3/de/index.html

Private area: http://www.ieee802.org/3/de/private/index.html

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PAR: https://www.ieee802.org/3/de/P802d3de_PAR.pdf

CSD: https://mentor.ieee.org/802-ec/dcn/21/ec-21-0197-00-ACSD-p802-3de.pdf

Objectives: https://www.ieee802.org/3/de/objectives_07212021.pdf

IEEE P802.3de Task Force
Activities since November 2021 plenary

Initial working group ballot

    Comment resolution meeting January 17, 2022

1st Recirculation working group ballot held

    Comment resolution meeting February 15, 2022

2nd Recirculation working group ballot held

    Comment resolution meeting to be held March 15, 2022

Task force discussed issues surfaced in ballot comments regarding the use of half-duplex with MAC MERGE

    Determined that enabling MAC MERGE with half-duplex added substantial unexpected complexity which went beyond the value

    Removed half-duplex MAC MERGE from draft (prior to recirculation)

IEEE P802.3de Objectives

Enable use of the 10BASE-T1L point-to-point full-duplex PHY with Clause 99 MACMERGE

Require no changes to PHYs, Clause 4/Annex 4A MAC, or MAC/PLS Interface

Enable use of the 10BASE-T1S PHY with Clause 99 MAC Merge in both half-duplex and full-duplex point-to-point modes.

Task Force Straw Poll

Straw Poll (comment 78)

- I support changing objective 3
  From: Enable use of the 10BASE-T1S PHY with Clause 99 MAC Merge in both half-duplex and full-duplex point-to-point modes.
  To: Enable use of the 10BASE-T1S PHY with Clause 99 MAC Merge in full-duplex point-to-point mode.
  - Y: 11
  - N: 0
  - A: 0
  - Room count: 11

From Agenda deck (01a) – 2/15/2022 IEEE P802.3de Task Force Meeting

Ballot Results – 3/9/2022

NO unsatisified D2.0 comments, 1 unsatisfied from D2.1

2 new comments (from the floor) on D2.2 – no new disapproves

	D2p0	D2p0%	D2p1	D2p1%	D2p2	D2p2%
Voters	248		248		248	
Return	165	66.5%	173	69.8%	183	73.8%
Approve	134	97.1%	141	98.6%	153	98.7%
Disapprove w/comment	4	2.9%	1	0.7%	1	0.6%
Disapprove w/o comment	0	0.0%	1	0.7%	1	0.6%
Abstain	27	16.4%	30	17.3%	28	15.3%
Comments	64		9		0	
Comments w/floor	64		9		2	
Comments w/floor & late	64		9		2	

LIKELY Task Force/Closing plenary Motions:

1. Change the 3ʳᵈ Objective as shown:

    Enable use of the 10BASE-T1S PHY with Clause 99 MAC MERGE in ~~both half-duplex and~~ full-duplex point-to-point mode~~s~~.

2. Progress IEEE P802.3de to initial SA ballot…

Questions?

Thank you!