

IEEE 802.3 motions

IEEE 802 EC

Friday 19 November July 2021

5.041 ME: IEEE P802.3df 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet to NesCom

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Title

IEEE Standard for Ethernet Amendment: Media Access Control Parameters, Physical Layers and Management Parameters for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Operation

Scope of project

Define Ethernet MAC parameters, physical layer specifications, and management parameters for the transfer of Ethernet format frames at 800 Gb/s and 1.6 Tb/s over copper, multi-mode fiber, and single-mode fiber, and use this work to define derivative physical layer specifications and management parameters for the transfer of Ethernet format frames at 200 Gb/s and 400 Gb/s.

Need

The project is necessary to provide solutions to meet the growing bandwidth needs for computing and network interconnect application areas, such as cloud-scale data centers, internet exchanges, co-location services, content delivery networks, wireless infrastructure, service provider and operator networks, and video distribution infrastructure.

IEEE P802.3de MAC Merge and TSSI enhancements for Point-to-Point Single Pair Ethernet to NesCom

Motion

Approve forwarding IEEE P802.3df PAR documentation in <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0224-02-00EC-par-ieee-p802-3df.pdf> to NesCom

Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0225-01-00EC-csd-ieee-p802-3df.pdf>

M: Law, S: D'Ambrosia

Y: ??, N: ?, A: ?

Working Group vote

PAR: Y: 99, N: 0, A: 4

CSD: Y: 94, N: 1, A: 5