

IEEE 802.3 motions

Closing IEEE 802 EC

Friday 16th November 2018

5.025 Division of IEEE P802.3cn 50 Gb/s, 100 Gb/s, 200 Gb/s, and 400 Gb/s over Single-Mode Fiber and DWDM project

Division of IEEE P802.3cn 50 Gb/s, 100 Gb/s, 200 Gb/s, and 400 Gb/s over Single-Mode Fiber and DWDM project

Rationale

It became apparent that the 50 Gb/s, 200 Gb/s, and 400 Gb/s Operation over Single-Mode Fiber portion of the IEEE P802.3cn project, which is an extension of existing IEEE 802.3 specifications, could be developed on a faster timeline than the DWDM portion of the IEEE P802.3cn project. As a result, the 100Gb/s and 400 Gb/s Operation over DWDM Systems portion of the project has been removed from the IEEE P802.3cn PAR and placed in the new IEEE P802.3ct amendment PAR.

Titles

IEEE P802.3cn PAR modification request

Standard for Ethernet Amendment: Physical Layers and Management Parameters for 50 Gb/s, ~~100 Gb/s,~~ 200 Gb/s, and 400 Gb/s Operation over Single-Mode Fiber ~~and DWDM (dense wavelength division multiplexing) systems~~

IEEE P802.3bt PAR

Standard for Ethernet Amendment: Physical Layers and Management Parameters for 100 Gb/s and 400 Gb/s Operation over DWDM (dense wavelength division multiplexing) systems

Division of IEEE P802.3cn 50 Gb/s, 100 Gb/s, 200 Gb/s, and 400 Gb/s over Single-Mode Fiber and DWDM project

Scope

IEEE P802.3cn PAR modification request

Define physical layer specifications and management parameters for the transfer of Ethernet format frames at 50 Gb/s, ~~100 Gb/s,~~ 200 Gb/s, and 400 Gb/s at reaches greater than 10 km over single-mode fiber ~~and DWDM systems~~. Make TDECQ (Transmitter and dispersion eye closure for PAM4) related changes to existing 200 Gb/s and 400 Gb/s physical medium dependent sublayers over single-mode fiber.

IEEE P802.3ct PAR

Define physical layer specifications and management parameters for the transfer of Ethernet format frames at 100 Gb/s and 400 Gb/s at reaches greater than 10 km over DWDM systems.

Division of IEEE P802.3cn 50 Gb/s, 100 Gb/s, 200 Gb/s, and 400 Gb/s over Single-Mode Fiber and DWDM project

Motion

Approve forwarding IEEE P802.3cn PAR modification documentation in :

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0222-00-00EC-ieee-p802-3cn-draft-par-modification-request.pdf> to NesCom

Approve IEEE P802.3cn CSD modification documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0223-00-00EC-ieee-p802-3cn-draft-csd-modifications.pdf>

Approve forwarding IEEE P802.3ct PAR documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0225-00-00EC-ieee-p802-3ct-draft-par.pdf> to NesCom

Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0226-00-00EC-ieee-p802-3ct-draft-csd.pdf>

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 90, N: 0, A: 2

ME 6.021: IEEE 802.3 New Ethernet Applications ICAID

IEEE 802.3 New Ethernet Applications ICAID

Title

New Ethernet Applications Industry Connections Activity

Explanatory technical background material

Consensus building in IEEE 802.3 New Ethernet Applications Industry Connections Activity (NEA) has led to formation of IEEE 802.3 Study Groups including IEEE 802.3 Bidirectional 10 Gb/s and 25 Gb/s Optical access PHYs (Mar 18), IEEE 802.3 Bidirectional 50 Gb/s optical access PHYs (Jul 18) and IEEE 802.3 Ethernet access PMDs for central office consolidation (Jul 18). The draft IEEE 802.3 NEA annual report for the December 2018 ICom meeting can be accessed at http://www.ieee802.org/3/ad_hoc/ngrates/public/18_09/IC15-005_NEA_2018_Status%20Report_Nov18_draft_NEA.pdf. The current two year charter of the IEEE 802.3 New Ethernet Applications Industry Connections Activity will however cease at the end of November 2018, yet additional work has been identified such second Ethernet Bandwidth Assessment activity. As there isn't a process to extend an Industry Connection activity a new ICAID has to be submitted to extend the activity.

Draft ICAID

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0179-01-00EC-ieee-802-3-new-ethernet-applications-icaid.pdf>

IEEE 802.3 New Ethernet Applications ICAID

Motion

Approve forwarding IEEE 802.3 New Ethernet Applications ICAID documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0179-01-00EC-ieee-802-3-new-ethernet-applications-icaid.pdf> to ICCom

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 57, N: 0, A: 2

MI 6.024: IEEE 802.3 100 Gb/s Lambda Study Group

IEEE 802.3 100 Gb/s Lambda Study Group

Motion

Approve the formation of IEEE 802.3 100 Gb/s Lambda study group to consider development of a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for 100 Gb/s per lane optical PHYs for 2 km and 10 km for 100 Gb/s Ethernet and 400 Gb/s Ethernet

M: Law, S: D'Ambrosia

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

90 CFI attendees, 55 interested in participating

Working Group vote:

Y: 85, N: 0, A: 1