

# IEEE 802.3 motions for consent agenda

Closing IEEE 802 EC  
Friday 15<sup>th</sup> March 2019

**\*ME 5.011: New PAR: IEEE P802.3cu 100 Gb/s  
and 400 Gb/s Operation over Single-Mode Fiber  
at 100 Gb/s per wavelength**

# IEEE P802.3cu 100 Gb/s and 400 Gb/s Operation over Single-Mode Fiber at 100 Gb/s per wavelength PAR and CSD responses

## Title

Standard for Ethernet Amendment: Physical Layers and Management Parameters for 100 Gb/s and 400 Gb/s Operation over Single-Mode Fiber at 100 Gb/s per wavelength

## Scope of project

This project is to specify additions to and appropriate modifications of IEEE Std 802.3 to add PHY specifications and Management Parameters for 100 Gb/s and 400 Gb/s Ethernet optical interfaces for reaches up to 10 km based on 100 Gb/s per wavelength optical signaling.

## Need

The continual growth of bandwidth demand has driven evolution of higher Ethernet speeds, including 100 Gb/s and 400 Gb/s Ethernet. To meet this growth, ongoing advancement in optical technology enables the opportunity to develop higher density or lower cost optical interfaces using 100 Gb/s per wavelength optical signaling with greater than 500 m reach.

## Draft PAR

<https://mentor.ieee.org/802-ec/dcn/19/ec-19-0006-01-00EC-ieee-p802-3cu-draft-par.pdf>

## Draft CSD responses

<https://mentor.ieee.org/802-ec/dcn/19/ec-19-0005-00-00EC-ieee-p802-3cu-draft-csd.pdf>

# IEEE P802.3cu 100 Gb/s and 400 Gb/s Operation over Single-Mode Fiber at 100 Gb/s per wavelength PAR and CSD responses

## Motion

Approve forwarding IEEE P802.3cu PAR documentation in <<https://mentor.ieee.org/802-ec/dcn/19/ec-19-0006-01-00EC-ieee-p802-3cu-draft-par.pdf>> to NesCom. Approve CSD documentation in <<https://mentor.ieee.org/802-ec/dcn/19/ec-19-0005-00-00EC-ieee-p802-3cu-draft-csd.pdf>>.

M: Law S: D'Ambrosia

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

Working Group votes:

Project Authorization Request: Y: 84, N: 0, A: 0

CSD responses: Y: 83, N: 0, A: 0

**\*MI 6.011: IEEE 802.3 100 Gb/s per lane optical  
PHYs Study Group (first rechartering)**

# IEEE 802.3 100 Gb/s per lane optical PHYs Study Group (first rechartering)

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## Motion

Grant the first rechartering of the IEEE 802.3 100 Gb/s per lane optical PHYs Study Group.

M: Law S: D'Ambrosia

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

Working Group vote

Y:0, N: 0, A: 0