

IEEE 802.3 motions for consent agenda

Closing IEEE 802 EC
Friday 16th November 2018

IEEE P802.3cp Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs PAR

IEEE P802.3cp Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs PAR

Title

Standard for Ethernet Amendment: Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs

Scope of project

The scope of the project defines physical layer specifications and management parameters for symmetric bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s operation over single strand of single mode fiber of at least 10km

Need

Bidirectional optical access PHYs are needed for point-to-point applications where the availability of fibers is limited. Bidirectional PHYs require half the number of fibers as dual-fiber duplex PHYs

Draft PAR

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0175-01-00EC-ieee-p802-3cp-draft-par.pdf>

Draft CSD responses

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0176-03-00EC-ieee-p802-3cp-draft-csd.pdf>

IEEE P802.3cp Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs PAR

Motion

Approve forwarding IEEE P802.3cp PAR documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0175-01-00EC-ieee-p802-3cp-draft-par.pdf> to NesCom

Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0176-03-00EC-ieee-p802-3cp-draft-csd.pdf>

M: Law, S: D'Ambrosia

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

Working Group votes:

PAR: Y: 83, N: 0, A: 1

CSD: Y: 85, N: 0, A: 1

IEEE P802.3cs Physical Layers and management parameters for increased-reach point-to-multipoint Ethernet optical subscriber access (Super-PON)

IEEE P802.3cs Physical Layers and management parameters for increased-reach point-to-multipoint Ethernet optical subscriber access (Super-PON)

Title

Standard for Ethernet Amendment: Physical Layers and management parameters for increased-reach point-to-multipoint Ethernet optical subscriber access (Super-PON)

Scope of project

This amendment adds physical layer specifications and management parameters for optical subscriber access supporting point-to-multipoint operations using wavelength division multiplexing over an increased-reach (up to at least 50 km) passive optical network (PON)

Need

This project is needed to increase the coverage and reach of PONs to serve more subscribers at a greater distance from the Optical Line Terminal (OLT) location

Draft PAR

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0177-02-00EC-ieee-p802-3cs-draft-par.pdf>

Draft CSD responses

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0178-01-00EC-ieee-p802-3cs-draft-csd.pdf>

IEEE P802.3cs Physical Layers and management parameters for increased-reach point-to-multipoint Ethernet optical subscriber access (Super-PON)

Motion

Approve forwarding IEEE P802.3cs PAR documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0177-02-00EC-ieee-p802-3cs-draft-par.pdf> to NesCom

Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0178-01-00EC-ieee-p802-3cs-draft-csd.pdf>

M: Law, S: D'Ambrosia

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

Working Group votes:

PAR: Y: 77, N: 0, A: 2

CSD: Y: 76, N: 0, A: 4

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Ethernet Passive Optical Networks PAR modification request

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Ethernet Passive Optical Networks PAR modification request

Title

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 25 Gb/s and 50 Gb/s Passive Optical Networks

Scope of project

The scope of this project is to amend IEEE Std 802.3 to add physical layer specifications and management parameters for point-to-multipoint passive optical networks supporting MAC data rates of 25 Gb/s or 50 Gb/s in the downstream direction and 10 Gb/s, 25 Gb/s, or 50 Gb/s in the upstream direction, with distance and split ratios consistent with those defined in IEEE Std 802.3. It also extends the operation of Ethernet Passive Optical Networks (EPON) protocols, such as MultiPoint Control Protocol (MPCP) and Operation Administration and Management (OAM)

Need

The project is applicable to business and residential access environments. The project is needed to enable access network operators to provide advanced bandwidth-intensive services while reducing footprint of network equipment, simplifying service upgrades, reducing network upgrade cost, and reducing fiber deployment costs

Draft PAR modification request

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0172-01-00EC-ieee-p802-3ca-draft-par-modification-request.pdf>

Draft CSD modified responses

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0173-00-00EC-ieee-p802-3ca-draft-modified-csd.pdf>

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Ethernet Passive Optical Networks PAR modification request

Motion

Approve forwarding IEEE P802.3ca PAR modification documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0172-01-00EC-ieee-p802-3ca-draft-par-modification-request.pdf> to NesCom

Approve CSD modification documentation in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0173-00-00EC-ieee-p802-3ca-draft-modified-csd.pdf>

M: Law, S: D'Ambrosia

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

Working Group votes:

PAR: Y: 92, N: 0, A: 2

CSD: Y: 95, N: 0, A: 2

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Ethernet Passive Optical Networks PAR extension request

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Ethernet Passive Optical Networks PAR extension request

Number of years that the extension is being requested

One

Why an extension is required

Extension is required to facilitate the completion of the Sponsor Ballot phase

To provide further background a PAR modification request has been submitted in respect to IEEE P802.3ca. When the IEEE P802.3ca Task Force examined the project plan, they concluded that they needed to update item 4.3 'Projected Completion Date for Submittal to RevCom' in the PAR modification request to February 2020

The IEEE P802.3ca PAR expiration date is however December 2019. Since the IEEE P802.3ca Task Force did not feel it was correct to submit a PAR modification request with a RevCom submittal date that was after the PAR expiration date, they decided to submit this PAR extension request as well

Draft PAR extension request

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0172-01-00EC-ieee-p802-3ca-draft-par-modification-request.pdf>

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Ethernet Passive Optical Networks PAR extension request

Motion

Approve forwarding IEEE P802.3ca PAR extension documentation in

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0174-00-00EC-ieee-p802-3ca-draft-par-extension-request.pdf> to NesCom

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 121, N: 0, A: 0

**IEEE 802.3 10Gb/s, 25Gb/s, and 50Gb/s
Bidirectional Access Optical PHYs Study Group
first rechartering**

IEEE 802.3 10Gb/s, 25Gb/s, and 50Gb/s Bidirectional Access Optical PHYs Study Group first rechartering

Motion

Grant the first rechartering of the IEEE 802.3 10Gb/s, 25Gb/s, and 50Gb/s Bidirectional Access Optical PHYs Study Group

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 82, N: 0, A: 1

IEEE 802.3 Physical Layers for increased-reach Ethernet optical subscriber access (Super-PON) Study Group first rechartering

IEEE 802.3 Physical Layers for increased-reach Ethernet optical subscriber access (Super-PON) Study Group first rechartering

Motion

Grant the first rechartering of the IEEE 802.3 Physical Layers for increased-reach Ethernet optical subscriber access (Super-PON) Study Group

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 77, N: 0, A: 1