

# IEEE 802.3 motions for consent agenda

IEEE 802 EC

Friday 18 November 2022

**7.081 ME\*: Appointment of IEEE 802.3  
Category A Liaison representative  
to ISO TC 22/SC 32**

# Appointment of IEEE 802.3 Category A Liaison representative to ISO TC 22/SC 32

---

## Motion

Confirm the appointment of Carlos Pardo as the IEEE 802.3 Category A Liaison representative to ISO TC 22/SC 32 Electrical and electronic components and general system aspects

M: Law S: D'Ambrosia

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

Working Group vote

Y: 117, N: 0, A: 6

## 7.082 ME\*: Nomination of designated expert for the expert review of the IANA-MAU-MIB

# Nomination of designated expert for the expert review of the IANA-MAU-MIB

---

## Motion

Confirm the nomination of Marek Hajduczenia to IETF Internet Assigned Numbers Authority (IANA) as a designated expert for the expert review of the IANA-MAU-MIB

M: Law S: D'Ambrosia

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

Working Group vote

Y: 101, N: 0, A: 1

# 7.083 ME\*: Submission of IEEE Std 802.3-2022 to ISO/IEC JTC 1/SC 6 for adoption

# Submission of IEEE 802.3 standard to ISO/IEC JTC 1/SC 6 for information under the PSDO agreement

---

## Motion

Approve submission of IEEE Std 802.3-2022 IEEE Standard for Ethernet to ISO/IEC JTC 1/SC 6 for adoption under the PSDO agreement

M: Law S: D'Ambrosia

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

Working Group vote

Y: 93, N: 0, A: 0

7.084 ME\*: Liaison of IEEE Std 802.3dd-2022, IEEE Std 802.3cs-2022, IEEE Std 802.3db-2022, and IEEE Std 802.3ck-2022 to ISO/IEC JTC 1/SC 6 for information under the PSDO agreement



# Liaison of IEEE 802.3 standards to ISO/IEC JTC 1/SC 6 for information under the PSDO agreement

---

## Motion

Approve liaison of IEEE Std 802.3dd-2022 IEEE Standard for Ethernet Amendment 1: Power over Data Lines of Single Pair Ethernet, IEEE Std 802.3cs-2022 IEEE Standard for Ethernet Amendment 2: Physical Layers and management parameters for increased-reach point-to-multipoint Ethernet optical subscriber access (Super-PON), IEEE Std 802.3db-2022 IEEE Standard for Ethernet Amendment 3: Physical Layer Specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Operation over Optical Fiber using 100 Gb/s Signaling, and IEEE Std 802.3ck-2022 IEEE Standard for Ethernet Amendment 4: Physical Layer Specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Based on 100 Gb/s Signaling to ISO/IEC JTC 1/SC 6 for information under the PSDO agreement

M: Law S: D'Ambrosia

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

Working Group vote

Y: 96, N: 0, A: 0

5.011 ME\*: IEEE P802.3cx Improved  
PTP timestamping accuracy  
to RevCom (conditional)

# IEEE P802.3cx Improved PTP timestamping accuracy to RevCom (conditional)

Date ballot closed:

The 1<sup>st</sup> Standards Association recirculation ballot of IEEE P802.3cx Improved PTP timestamping accuracy closed on 9 November 2022 at 23:59 UTC-12

Vote tally:

	Initial Draft D3.0			1 <sup>st</sup> Recirculation Draft D3.1			Req %
	#	%	Status	#	%	Status	
Abstain	1	1	PASS	2	2	PASS	< 30
Dis with comment	4	-	-	4	-	-	-
Dis w/o comment	0	-	-	0	-	-	-
Approve	73	94	PASS	78	95	PASS	≥ 75
Ballots returned	78	75	PASS	84	81	PASS	≥ 75
Voters	103	-	-	103	-	-	-
Comments	78	-	-	59	-	-	-
Public comments	0	-	-				

# IEEE P802.3cx Improved PTP timestamping accuracy to RevCom (conditional)

---

Comments that support the remaining disapprove votes and responses:

3 disapprove voters have indicated satisfaction with all MBS comments but not flipped vote

3 unsatisfied TR and 1 unsatisfied ER from one disapprove voter

See <<https://mentor.ieee.org/802-ec/dcn/22/ec-22-0243-00-00EC-ieee-p802-3cx-unsatisfied-comments.pdf>>

Summary:

I-74: AIP, changed Figure 90-2 to move TX\_NUM\_BIT\_CHANGE/RX\_NUM\_BIT\_CHANGE out of scope of xMII

I-78: AIP, rewording to emphasize optional character of TX\_NUM\_BIT\_CHANGE/RX\_NUM\_BIT\_CHANGE signals

I-79: AIP, rewording from “high accuracy” to “higher accuracy”

I-90: AIP, changed "mean PCS transmit data delay" to "mean PHY transmit data delay“, as suggested by commenter

Clause 12 ‘Procedure for conditional approval to forward a draft standard’ of IEEE 802 LMSC Operations Manual includes the text ‘Where a voter has accepted some comment resolutions and rejected others, only the comments of which the voter has not accepted resolution should be presented.’.

# IEEE P802.3cx Improved PTP timestamping accuracy to RevCom (conditional)

---

## Meeting schedule

2nd Standards Association recirculation ballot day one	23 November 2022
2nd Standards Association recirculation ballot close	7 December 2022
IEEE P802.3cx comment resolution meeting	12 December 2022
3rd Standards Association recirculation ballot day one	15 December 2022
RevCom submittal deadline	20 December 2022
3rd Standards Association recirculation ballot close	3 January 2023
IEEE P802.3cx comment resolution meeting	17 January 2023
RevCom teleconference	30 January 2023

Note: 3rd Standards Association recirculation ballot only if required

# IEEE P802.3cx Improved PTP timestamping accuracy to RevCom (conditional)

---

## Motion

Conditionally approve sending IEEE P802.3cx to RevCom

Confirm the CSD for IEEE P802.3cx in <<https://mentor.ieee.org/802-ec/dcn/19/ec-19-0220-01-ACSD-p802-3cx.pdf>>

M: Law S: D'Ambrosia

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

Working Group vote

Y: 73 N: 0, A: 2

5.012 ME\*: IEEE P802.3cy Greater than 10 Gb/s  
Electrical Automotive Ethernet to  
Standards Association ballot

# IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet to Standards Association ballot

Date ballot closed:

The 2<sup>nd</sup> Working Group recirculation ballot of IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet closed on 7 October 2022 at 23:59 UTC-12

Vote tally:

	Initial Draft D2.0			1 <sup>st</sup> Recirculation Draft D2.1			2 <sup>nd</sup> Recirculation Draft D2.21			Req %
	#	%	Status	#	%	Status	#	%	Status	
Abstain	17	12	PASS	22	14	PASS	22	12	PASS	< 30
Dis with comment	7	-	-	2	-	-	0	-	-	-
Dis w/o comment	0	-	-	0	-	-	0	-	-	-
Approve	114	94	PASS	133	98	PASS	148	100	PASS	≥ 75
Ballots returned	138	61	PASS	157	70	PASS	170	75	PASS	>50
Voters	224	-	-	224	-	-	224	-	-	-
Comments	400	-	-	23	-	-	22	-	-	-



# IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet to Standards Association ballot

---

Comments that support the remaining disapprove votes and responses:

None, the approval rate is 100%.

Clause 12 'Procedure for conditional approval to forward a draft standard' of IEEE 802 LMSC Operations Manual includes the text 'Where a voter has accepted some comment resolutions and rejected others, only the comments of which the voter has not accepted resolution should be presented.'.

# IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet to Standards Association ballot

---

## Motion

Approve sending IEEE P802.3cy to Standards Association ballot

Confirm the CSD for IEEE P802.3cy in <<https://mentor.ieee.org/802-ec/dcn/20/ec-20-0094-00-ACSD-p802-3cy.pdf>>

M: Law S: D'Ambrosia

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

Working Group vote

Y: 90, N: 0, A: 3

## 5.013 ME\*: IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet to RevCom (conditional)

# IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet to RevCom (conditional)

Date ballot closed:

The 1<sup>st</sup> Standards Association recirculation ballot of IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet closed on 9 November 2022 at 23:59 UTC-12

Vote tally:

	Initial Draft D3.01			1 <sup>st</sup> Recirculation Draft D3.1			Req %
	#	%	Status	#	%	Status	
Abstain	2	2	PASS	2	2	PASS	< 30
Dis with comment	5	-	-	5	-	-	-
Dis w/o comment	0	-	-	0	-	-	-
Approve	74	93	PASS	77	93	PASS	≥ 75
Ballots returned	81	76	PASS	82	79	PASS	≥ 75
Voters	106	-	-	106	-	-	-
Comments	181	-	-	68	-	-	-
Public comments	0	-	-				

# IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet to RevCom (conditional)

---

Comments that support the remaining disapprove votes and responses:

- 2 disapprove voters have indicated satisfaction with all MBS comments but not flipped vote

- 7 unsatisfied TR comments and 1 unsatisfied GR comment from a total of 4 disapprove voters

  - See <<https://mentor.ieee.org/802-ec/dcn/22/ec-22-0244-00-00EC-ieee-p802-3cz-unsatisfied-comments.pdf>>

Summary:

- 2 unsatisfied initial ballot TR comments propose changing the wavelength range for transmitter and receiver. There was no consensus to make a change either during initial ballot comment resolution nor in discussing a “pile-on” D3.1 comment.

- 3 unsatisfied initial ballot TR comments requesting to add unnecessary service interface specifications were rejected.

- 2 unsatisfied initial ballot TR comments on improvements to Energy Efficient Ethernet specifications, one Reject, one Accept in Principle.

- 1 unsatisfied 1st recirculation GR comment are on the lack of hyperlinks in the pdf (no changes to draft required, this is a property of the setting when producing a PDF).

Clause 12 ‘Procedure for conditional approval to forward a draft standard’ of IEEE 802 LMSC Operations Manual includes the text ‘Where a voter has accepted some comment resolutions and rejected others, only the comments of which the voter has not accepted resolution should be presented.’.

# IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet to RevCom (conditional)

---

## Meeting schedule

2nd Standards Association recirculation ballot day one	5 December 2022
2nd Standards Association recirculation ballot close	19 December 2022
RevCom submittal deadline	20 December 2022
IEEE P802.3cz comment resolution meeting	10-11 January 2023
3rd Standards Association recirculation ballot day one	23 January 2023
RevCom teleconference	30 January 2023
3rd Standards Association recirculation ballot close	6 February 2023
IEEE P802.3cz comment resolution meeting	9 February 2023
RevCom submittal deadline	17 February 2023
RevCom meeting	28 March 2023

Note: 3rd Standards Association recirculation ballot only if required

# IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet to RevCom (conditional)

---

## Motion

Conditionally approve sending IEEE P802.3cz to RevCom

Confirm the CSD for IEEE P802.3cz in <<https://mentor.ieee.org/802-ec/dcn/22/ec-22-0084-00-ACSD-p802-3cz.pdf>>

M: Law S: D'Ambrosia

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

Working Group vote

Y: 85, N: 1, A: 7

**6.051 MI\*: IEEE 802.3 Greater than 50 Gb/s  
Bidirectional Optical Access PHYs Study Group  
(first rechartering)**



# IEEE 802.3 Greater than 50 Gb/s Bidirectional Optical Access PHYs Study Group (first rechartering)

---

## Motion

Grant the 1st rechartering of IEEE 802.3 Greater than 50 Gb/s Bidirectional Optical Access  
PHYs Study Group

M: Law S: D'Ambrosia

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

Working Group vote

Y: 63, N: 0, A: 0

5.014 ME\*: IEEE P802.3dk Greater than  
50 Gb/s Bidirectional Optical Access  
PHYs to NesCom

# IEEE P802.3dk Greater than 50 Gb/s Bidirectional Optical Access PHYs to NesCom

---

## Title

Standard for Ethernet Amendment: Greater than 50 Gb/s Bidirectional Optical Access PHYs

## Scope of project

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

## 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.

# IEEE P802.3dk Greater than 50 Gb/s Bidirectional Optical Access PHYs to NesCom

---

## Motion

Approve forwarding IEEE P802.3dk PAR documentation in <<https://mentor.ieee.org/802-ec/dcn/22/ec-22-0200-00-00EC-draft-ieee-p802-3dk-par.pdf>> to NesCom

Approve CSD documentation in <<https://mentor.ieee.org/802-ec/dcn/22/ec-22-0201-00-00EC-draft-ieee-p802-3dk-csd.pdf>>

M: Law, S: D'Ambrosia

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

Working Group vote

PAR: Y: 64, N: 0, A: 4

CSD: Y: 64, N: 0, A: 3

## 7.085 ME\*: Request for Category A liaison with IEC TC64 Electrical installations and protection against electric shock

# Request for Category A liaison with IEC TC64 Electrical installations and protection against electric shock

---

## Motion

Approve <<https://mentor.ieee.org/802-ec/dcn/22/ec-22-0242-00-00EC-ieee-802-3-request-for-category-a-liaison-with-iec-tc64.pdf>> to request establishment of an IEEE 802.3 Category A Liaison with IEC TC 64

Confirm the appointment of David Law as an IEEE 802.3 liaison officer to serve as the IEEE 802.3 Category A Liaison representative to IEC TC 64

M: Zimmerman S: D'Ambrosia

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

Working Group vote

Y: 73, N: 0, A: 3

**7.086 ME: IEEE 802.3 Delegation to  
ISO/IEC JTC 1/SC 25/WG 3 Interconnection of  
information technology equipment : Customer  
Premises Cabling meetings**

# IEEE 802.3 Delegation to ISO/IEC JTC 1/SC 25/WG 3 meetings

---

## Motion

Confirm the appointment of George Zimmerman, Chad Jones, David Law, Geoff Thompson, and Bob Voss as the members of the IEEE 802.3 Ethernet Working Group delegation to the February/March 2023 ISO/IEC JTC 1/SC 25/WG 3 meeting series and any subsequent meetings required to complete the work of that session

M: Law S: D'Ambrosia

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

Working Group vote

Y: 72, N: 0, A: 1