

IEEE 802.3 motions for consent agenda

IEEE 802 LMSC closing plenary meeting
Friday 14 March 2025

**5.021 ME*: IEEE P802.3-2022/Cor 2 (IEEE 802.3dr)
Multi-Gigabit Optical Automotive Ethernet Transmitter
Distortion Figure Of Merit (48-hour rule)**

IEEE P802.3-2022/Cor 2 (IEEE 802.3dr) Multi-Gigabit Optical Automotive Ethernet Transmitter Distortion Figure Of Merit

Motion:

Approve forwarding IEEE P802.3-2022/Cor 2 (IEEE 802.3dr) PAR documentation in <https://mentor.ieee.org/802-ec/dcn/25/ec-25-0065-00-LMSC-ieee-p802-3-2022-cor-2-draft-par.pdf> to NesCom

M: Law S: D'Ambrosia

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

Working Group vote

Y: 85, N: 1, A: 8

5.022 ME*: IEEE P802.3.2 (IEEE 802.3.2a) YANG Data Model Definitions (Revision) to RevCom

IEEE P802.3.2 (IEEE 802.3.2a) YANG Data Model Definitions (Revision) to RevCom

Date ballot closed

The 1st Standards Association recirculation ballot on IEEE P802.3.2 (IEEE 802.3.2a) YANG Data Model Definitions (Revision) D3.1 closed on 23 January 2025 at 23:59 UTC-12

Vote tally

	Initial Draft D3.0			1 st Recirculation Draft D3.1			Req %
	#	%	Status	#	%	Status	
Abstain	6	9	PASS	6	8	PASS	< 30
Dis with comment	1	-	-	1	-	-	-
Dis w/o comment	0	-	-	0	-	-	-
Approve	59	98	PASS	62	98	PASS	≥ 75
Ballots returned	66	75	PASS	69	78	PASS	≥ 75
Voters	88	-	-	88	-	-	-
Comments	26	-	-	6	-	-	-
Public comments	0	-	-				

IEEE P802.3.2 (IEEE 802.3.2a) YANG Data Model Definitions (Revision) to RevCom

Comments that support the remaining disapprove votes and WG responses

A total of 1 unsatisfied GR, 1 unsatisfied ER, and 13 unsatisfied TR comments from 2 disapprove voter

See: <<https://mentor.ieee.org/802-ec/dcn/25/ec-25-0073-00-LMSC-ieee-p802-3-2-unresolved-comments.pdf>>

Summary of Unsatisfied Comments:

[1] Specification of the authoritative version of the published machine-readable YANG code: git versus published standard. Comments: R1-5, R1-4, R1-1, R1-3, R1-6 - all A or AIP, with minor additions.

[2] RAC coordination comments: I-21, comment was accepted as proposed

[3] Technical changes to YANG module definitions, including additions to align with new functions added in the base IEEE Std 802.3, rewrite to the PSE module, addition of a new PHY module: I-19, I-17, I-18, I-15, I-16, I-14, I-11, I-12, I-13 - comments were all AIP with license to fix formatting issues in the submitted contributions

Note: 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 P802.3.2 (IEEE 802.3.2a) YANG Data Model Definitions (Revision) to RevCom

Recirculation ballot and resolution meeting schedule

2 nd Standards Association recirculation ballot day one	28 February 2025
2 nd Standards Association recirculation ballot close	15 March 2025
IEEE P802.3.2 comment resolution meeting	26 March 2025
RevCom submittal deadline	28 March 2025
3 rd Standards Association recirculation ballot day one	14 April 2025
3 rd Standards Association recirculation ballot close	29 April 2025
IEEE P802.3.2 comment resolution meeting	Week of 5 May 2025
RevCom meeting	7 May 2025
RevCom submittal deadline	9 May 2025
RevCom meeting	16 June 2025
SASB meeting	18 June 2025

Note: 3rd Standards Association recirculation ballot only if required

IEEE P802.3.2 (IEEE 802.3.2a) YANG Data Model Definitions (Revision) to RevCom

Motion

Conditionally approve sending IEEE P802.3.2 (IEEE 802.3.2a) YANG Data Model
Definitions (Revision) to RevCom

M: Law S: D'Ambrosia

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

Working Group vote

Y: 73, N: 0, A: 5

6.071 MI*: IEEE 802.3 Ethernet Powering Cabling Restrictions Study Group (second rechartering)

IEEE 802.3 Ethernet Powering Cabling Restrictions Study Group (second rechartering)

Motion

Grant the second rechartering of the IEEE 802.3 Ethernet Powering Cabling Restrictions Study Group

M: Law S: D'Ambrosia

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

Working Group vote

Y: 73, N: 0, A: 6

6.072 MI*: IEEE 802.3 Pin-Optimized PHY Interface Study Group (first rechartering)

IEEE 802.3 Pin-Optimized PHY Interface Study Group (first rechartering)

Motion

Grant the first rechartering of the IEEE 802.3 Pin-Optimized PHY Interface Study Group

M: Law S: D'Ambrosia

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

Working Group vote

Y: 84, N: 0, A: 10

6.073 ME*: IEEE 802.3 Ethernet Powering Cabling Restrictions Study Group extension

IEEE 802.3 Ethernet Powering Cabling Restrictions Study Group extension

Motion:

Grant a six-month extension of the IEEE 802.3 Ethernet Powering Cabling Restrictions Study Group

M: Law S: D'Ambrosia

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

Working Group vote

Y: 83, N: 0, A: 4

Rationale for extension request: Approval has been sought to forward the IEEE P802.3dp PAR to NesCom, which was developed by this Study Group. This request for extension is only to address any issues during the approval process for the IEEE P802.3dp PAR.

**7.031 ME*: Draft-sharing relationship
between the IEEE 802.3 Ethernet Working
Group and Ultra Ethernet Consortium (UEC)**

Draft-sharing relationship between the IEEE 802.3 Ethernet Working Group and Ultra Ethernet Consortium (UEC)

[Request to Establish a Draft Sharing Relationship with Organizations External to IEEE form](#)
substantive question:

Please explain how the technical competence/expertise of the organization external to IEEE is applicable to the IEEE SA Working Group requesting the draft sharing relationship.

The Ultra Ethernet Consortium (UEC) has member companies working on specifying an Ethernet-based open, interoperable, high-performance, full-communications stack architecture to meet the growing network demands of artificial intelligence (AI) and High-Performance Computing (HPC) at scale. Many of the individual experts within IEEE 802.3 have common affiliations with the member companies in UEC. As such, the UEC has significant technical competence and expertise in applying the technology and specifications defined by IEEE 802.3.

Draft-sharing relationship between the IEEE 802.3 Ethernet Working Group and Ultra Ethernet Consortium (UEC)

Motion

Establish a draft-sharing relationship between the IEEE 802.3 Ethernet Working Group and Ultra Ethernet Consortium (UEC)

M: Law S: D'Ambrosia

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

Working Group vote

Y: 91, N: 0, A: 5

7.032 ME*: Establishment of IEEE 802.3 liaison relationships

Establishment of IEEE 802.3 liaison relationships

Background

These organizations are either exploring or defining technologies related to AI applications / networks or related signaling and interconnects:

Open Compute Project (OCP) Foundation

Ultra Ethernet Consortium (UEC)

Storage Networking Industry Association/Small Form Factor Committee (SNIA/SFF)

Ethernet Alliance (EA)

Optical Interworking Forum (OIF)

Ultra Accelerator Link (UALink) Consortium

These organizations have access to significant technical competence and expertise in the application of Ethernet technology and specifications in AI networks. This knowledge could be beneficial to the IEEE 802.3 Industry Connections New Ethernet Applications Ad Hoc “Ethernet for AI” Assessment activity, which could provide guidance to future IEEE 802.3 projects regarding interconnect needs that could be targeted with new Ethernet specifications. Therefore, the close alignment with these organizations could provide insight that would be beneficial.

Currently, IEEE 802.3 has a liaison relationships with OIF, but no IEEE 802.3 liaison officer has been specified.

Establishment of IEEE 802.3 liaison relationships

Motion

Establish a liaison relationship with the Ultra Ethernet Consortium (UEC), the Open Compute Project (OCP) Foundation, the Storage Networking Industry Association/Small Form Factor Committee (SNIA/SFF), Ultra Accelerator Link (UALink) Consortium, and Ethernet Alliance (EA)

M: Law S: D'Ambrosia

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

Working Group vote

Y: 83, N: 2, A: 7

7.033 ME*: IEEE 802.3 Standards Committee External Liaison coordinators (aka liaison officers)

IEEE 802.3 Standards Committee External Liaison coordinators (aka liaison officers)

Motion

Confirm the appointment of Mark Nowell as the IEEE 802.3 Standards Committee External Liaison coordinator to the Ultra Ethernet Consortium (UEC); John D'Ambrosia as the IEEE 802.3 Standards Committee External Liaison coordinator to the Open Compute Project (OCP) Foundation; Nathan Tracy as the IEEE 802.3 Standards Committee External Liaison coordinator to the Optical Internetworking Forum (OIF); Tom Palkert as the IEEE 802.3 Standards Committee External Liaison coordinator to the Storage Networking Industry Association/Small Form Factor Committee (SNIA/SFF); Kent Lusted as the IEEE 802.3 Standards Committee External Liaison coordinator to the Ultra Accelerator Link (UALink) Consortium; and Peter Jones as the IEEE 802.3 Standards Committee External Liaison coordinator to the Ethernet Alliance (EA)

M: Law S: D'Ambrosia

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

]

Working Group vote

Y: 83, N: 2, A: 7

7.034 II*: IEEE 802.3 updates to ITU-T SG15 ANT and OTNT standardisation overview and work plans liaison letters

IEEE 802.3 updates to ITU-T SG15 ANT and OTNT standardisation overview and work plans liaison letters

The IEEE 802.3 liaison letter to ITU T SG15 providing updates to the Access Network Transport (ANT) standardisation overview and work plan can be accessed at <<https://mentor.ieee.org/802-ec/dcn/25/ec-25-0069-00-LMSC-ieee-802-3-liaisons-reply-to-itu-t-sg15-on-ant.pdf>> and the IEEE 802.3 liaison letter to ITU T SG15 providing updates to the Optical Transport Networks & Technologies (OTNT) standardisation overview and work plans can be accessed at <<https://mentor.ieee.org/802-ec/dcn/25/ec-25-0066-00-LMSC-ieee-802-3-liaisons-reply-to-itu-t-sg15-on-otnt.pdf>>.

Working Group vote

Y: 97, N: 0, A: 2