

# IEEE 802.3 motions

IEEE 802 LMSC

Friday 15 March 2024

# 5:023 ME: IEEE P802.3dp IEEE Cabling Restrictions for Single Pair Power over Ethernet (SPoE) to NesCom

# IEEE P802.3dp IEEE Cabling Restrictions for Single Pair Power over Ethernet (SPoE) to NesCom review timeline

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Initial updated PAR in response to IEEE 802.11 comments

URL: <https://mentor.ieee.org/802-ec/dcn/25/ec-25-0020-01-LMSC-draft-ieee-p802-3dp-par.pdf>

Email: <https://www.ieee802.org/email/stds-802-lmsc/msg00184.html>

Email date stamp: Wed, 12 Mar 2025 20:28:32 +0000 (16:28 EDT)

Update to correct '... needs to address that the insufficiency of the ...'

URL: <https://mentor.ieee.org/802-ec/dcn/25/ec-25-0020-02-LMSC-draft-ieee-p802-3dp-par.pdf>

Email: <https://www.ieee802.org/email/stds-802-lmsc/msg00189.html>

Email date stamp: Wed, 12 Mar 2025 21:28:40 +0000 (17:28 EDT)

Deadline to circulate Final PAR on the IEEE 802 LMSC reflector

The proposing Working Group shall post a response to commenting Working Group and to the IEEE 802 LMSC together with a Final PAR on a public website and circulate the relevant URL on the IEEE 802 LMSC reflector not later than 6:30 p.m. local time on Wednesday of an in person Plenary Session

Email to address the tense in the project scope

Email: <https://www.ieee802.org/email/stds-802-lmsc/msg00191.html>

Email date stamp: Thu, 13 Mar 2025 15:17:09 +0000 (11:17 EDT)

# IEEE P802.3dp IEEE Cabling Restrictions for Single Pair Power over Ethernet (SPoE) to NesCom

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## Title

IEEE Standard for Ethernet Amendment: Cabling Restrictions for Single Pair Power over Ethernet (SPoE)

## Scope of project

The scope of the project is the specification of ~~This project will specify~~ requirements and restrictions for supporting the IEEE 802.3 'plug-and-play' interoperability model for Single-Pair Power over Ethernet (SPoE) due to current carrying capacity limitations in cabling.

## Need

The IEEE 802.3 Working Group (WG) needs to address the insufficiency of the current carrying capacity of certain cabling installed and proposed for SPoE applications.

The IEEE 802.3 WG became aware that ISO/IEC JTC 1/SC 25/WG 3 is drafting standards and technical reports (e.g. ISO/IEC 11801-1/AMD1 and ISO/IEC TR 11801-9911) that support the use and reuse of balanced multi-pair cabling systems in one pair applications, resulting in a standards-imposed restriction of 0.75 A per conductor. Additionally, they are defining a 23 American Wire Gauge (AWG) single-pair channel that only supports 0.75 A per conductor which is insufficient for the IEEE 802.3 'plug-and-play' interoperability model.

# IEEE P802.3dp IEEE Cabling Restrictions for Single Pair Power over Ethernet (SPoE) to NesCom

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## Motion

Approve forwarding IEEE P802.3dp PAR documentation in <<https://mentor.ieee.org/802-ec/dcn/25/ec-25-0020-04-LMSC-draft-ieee-p802-3dp-par.pdf>> to NesCom

Approve CSD documentation in <<https://mentor.ieee.org/802-ec/dcn/25/ec-25-0021-01-LMSC-draft-ieee-p802-3dp-csd.pdf>>

M: Law, S: D'Ambrosia

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

Working Group vote

Y: 78 N: 0 A: 7

**7:035 II: IEEE 802.3 liaison letter: IEEE  
802.3 updates to ITU-T SG15 Home  
Network Transport (HNT)  
standardisation overview and work plan**

# IEEE 802.3 updates to ITU-T SG15 Home Network Transport (HNT) standardisation overview and work plan

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The IEEE 802.3 liaison letter to ITU T SG15 providing updates to the Home Network Transport (HNT) standardisation overview and work plan can be accessed at <<https://mentor.ieee.org/802-ec/dcn/25/ec-25-0076-00-LMSC-liaison-reply-to-itu-t-sg15-on-hnt-workplan.pdf>>.

Working Group vote

Y: 97, N: 0, A: 2

7:036 II: IEEE 802.3 liaison letter: ITU-T  
SG15 1.6Tb/s Optical Transport  
Network (OTN) mapping reference



# ITU-T SG15 1.6Tb/s Optical Transport Network (OTN) mapping reference

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The IEEE 802.3 liaison letter to ITU T SG15 regarding 1.6Tb/s Optical Transport Network (OTN) mapping reference can be accessed at <<https://mentor.ieee.org/802-ec/dcn/25/ec-25-0077-00-LMSC-liaison-reply-to-itu-t-sg15-on-1-6-tb-s-ont-mapping.pdf>>.

Working Group vote

Y: 98 N: 0 A: 4