

IEEE 802.3 Ethernet Working Group
Liaison Communication

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From: David Law Chair, IEEE 802.3 Ethernet Working Group
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Subject: Single-pair Power over Ethernet (SPoE)
Approval: Agreed at IEEE 802.3 interim meeting, Hamburg, Germany 19 September 2024

¹ This document solely represents the views of the IEEE 802.3 Working Group and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802.

Dear Mr Jacques,

As we noted in our letter '[Single Pair Power over Ethernet \(SPoE\)](#)' dated 22 July 2021, IEEE 802.3 thanks IEC TC64 for preparing IEC 60364-7-716 to address DC remote powering applications, including IEEE 802.3 Power over Ethernet (PoE), using 4-pair cabling classes specified in ISO/IEC 11801-1:2017 developed by ISO/IEC JTC 1/SC 25/WG 3.

IEEE 802.3 has continued our work to develop SPoE standards. We would, therefore, like to reiterate our request to IEC TC 64 to consider developing a new IEC 60364 part to address DC remote powering applications, including IEEE 802.3 SPoE, using single-pair cabling specified by ISO/IEC JTC 1/SC 25/WG 3. There are different requirements for SPoE and multi-pair PoE applications, and the cabling systems that support them. Because of this, the existing 60364-7-716 is not sufficient to address SPoE, hence the need for a new IEC 60364 part.

Sincerely,
David Law
Chair, IEEE 802.3 Ethernet Working Group