

IEEE 802.3 Ethernet Working Group
Draft Liaison Communication

Source: IEEE 802.3 Working Group¹

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From: David Law Chair, IEEE 802.3 Ethernet Working Group
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Subject: Power over Ethernet (PoE) and Power over Data Lines (PoDL)

Approval: **Agreed to at IEEE 802.3 interim teleconference meeting, 24th September 2020**

Dear Ms Shuguang,

We understand that there is great industry interest in the power over ethernet over 2 and 4 pairs (aka PoE, PoE+, PoE++) and powering associated with single pair ethernet (aka PoDL). We also understand that ITU-T has embarked on projects, such as ITU-T Recommendation K.147, 'Ethernet port resistibility testing for overvoltages and overcurrents', which relate to specifics of Ethernet technologies, and, in particular, power over ethernet (PoE), and the related power over data lines (PoDL) of single balanced twisted-pair Ethernet.

We are concerned because, in our experience, there is considerable conflicting and inaccurate information in the industry regarding the specification for these technologies, including those derived from proprietary systems. Since IEEE 802.3 PoE and PoDL are definitively specified in the IEEE 802.3 standard and its amendments, it is our wish to minimize confusion.

A small group of IEEE 802.3 participants have performed an initial review of K.147 and have generated in excess of 60 comments on the document which are attached. As this is not a final review, we expect that we will be submitting further comments. We therefore respectfully

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.

request that you consider the comments submitted and your earliest convenience.

IEEE 802.3 note that in the on 31st May 2011 ITU-T SG5 sent a letter entitled 'Request for a liaison on Ethernet port isolation between ITU-T SG5 Home Networks Special Group and the IEEE 802.3 Group' <<https://grouper.ieee.org/groups///802/3/minutes/jul11/incoming/sp14-sg5-oLS-00076.pdf>> requesting a liaison with IEEE 802.3 group for each to understand the others' position and to mitigate potential conflicts for stakeholders.

We would like to reiterate our response at the time that the possible issuance of new ITU-T K-series Recommendations is of great interest to the IEEE 802.3 Ethernet Working Group and that the IEEE 802.3 Ethernet Working Group would like to request that any draft material of ITU-T K-series Recommendations concerning Ethernet port protection be made available for comment by the group.

In addition, we would like to inform you that we are appointing **NEED NAME** to serve as the liaison representative from the IEEE 802.3 Ethernet Working Group to ITU-T SG5. If you require further information, please do not hesitate to contact me. I look forward to your response.

Best regards,
David Law

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