

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: Liaison reply to JWG10 letter regarding IEEE 802.3bw, IEEE 802.3cg and IEEE 802.3bp, Single Pair Ethernet.

Approval: Agreed to at IEEE 802.3 plenary meeting, Orlando, FL USA, 9 November 2017

Dear Francesco,

Thank you for your letter and the copy of the first version of your "REPORT ON REQUIREMENTS FOR INDUSTRIAL AUTOMATION APPLICATION OF IEEE 802.3 SINGLE TWISTED PAIR ETHERNET (SPE)". We are encouraged that your membership has been participating in IEEE 802.3 meetings and found it useful. IEEE 802.3 Working

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.

Group and Task Force meetings are open to all to attend, and we encourage participation by those interested in both our face-to-face meetings and ad-hoc teleconferences.

The many contributions from the industrial cabling community have been useful to the progress of the IEEE P802.3cg 10 Mb/s Single Twisted Pair Ethernet Task Force. We are pleased to provide an early draft [IEEE P802.3cg/D0.3](#). This amendment includes draft specifications for 10 Mb/s Single Twisted-Pair PHYs, including one for up to 1000m PHY (10BASE-T1L) and corresponding link segment targeted for industrial purposes. We hope you find this useful to your work.

IEEE 802.3 has a long-standing liaison relationship with ISO/IEC JTC 1/SC 25/WG 3. We received a liaison letter from ISO/IEC JTC1 SC25 WG3 http://www.ieee802.org/3/minutes/nov17/incoming/SC25_N2753_to_IEEE_802d3_1_pair.pdf that informed us they had started work to 'develop a generic structured 1-pair balanced cabling infrastructure that will support multiple existing and emerging 1-pair applications in enterprise and industrial environments'. In the past, we have ensured that our channels specifications can be met by ISO/IEC JTC1 SC25 WG3 specified channels.

In respect to your request for a liaison we have decided not to request a Category D liaison at this time because of the overhead that places on IEEE 802.3 to direct an additional liaison officer. However, through our liaison with ISO/IEC JTC 1/SC 25/WG 3, we learned that SC 25/WG 3 is already collaborating with SC 65/JWG 10 on single pair Ethernet. Additionally, we understand that SC 25/WG 3 has offered to coordinate liaison communications between IEEE 802.3 and SC 65/JWG 10 on this subject. We believe this is the most efficient path.

If your members wish to keep further abreast of our work, all our contributions are available publicly, and we will be happy to liaise drafts of our specifications as they develop. We request that IEC SC 65 do the same with their drafts.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group

[\(Attachment – draft 0.3\)](#)