

IEEE 802.3 Ethernet Working Group Liaison Communication

Source: IEEE 802.3 Working Group¹

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Subject: Liaison letter to ISO/IEC/JTC1 SC25 WG3 and reply to SC25 N2366

Approval: Agreed to at IEEE 802.3 Plenary meeting, Berlin, Germany, March 12, 2015

Dear Dr. Oehler,

The IEEE 802.3 Working Group would like to thank you for your response to our liaison letter sent out of the November 2014 Plenary meeting in San Antonio.

At the recent IEEE 802.3 Working Group meeting held in Berlin, Germany, 9th to 12th March 2015, the IEEE P802.3bt Task Force reviewed your reply.

We are pleased that your members have confirmed 7% pair-to-pair DC resistance unbalance for the channel for cabling with Classes D through F_A. The March 2016 date for your draft is after our need-by date but we feel that the confirmation of the pair-to-pair DC resistance unbalance is enough to allow us to progress with a reference to ISO/IEC TR 29125 in our draft standard, along with a 'TBD' that can be updated once approved. We are firmly committed to our schedule and we would hope that we could reference your document rather than putting the specification in our document. We would appreciate if you could explore accelerating the maturity of the document for the September 2015 meeting in Milan and sharing the output with us.

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.

Thank you for considering overall system pair-to-pair resistance unbalance. The initial reaction that the cabling conductors support up to 750mA per conductor under certain conditions provides enough margin to continue our standard development without altering the maximum power objective. We look forward to the results of any testing that is completed.

We also look forward to reviewing the assessment procedure for installation conditions. Please forward a copy of the working draft when ready for review.

ISO/IEC TR 29125 Edition 2 will be made available for review to the Working Group. We anticipate sending a liaison letter from the July 2015 Plenary meeting in Waikoloa, HI should any questions or comments arise.

We thank you for your effort and collaboration to support remote powering and look forward to continuing to develop this important application using balanced twisted pair cabling.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group