IEEE 802.3 Ethernet Working Group
Liaison Communication

Source:	IEEE 802.3 Working Group[1]	
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Subject:	Liaison reply to liaison from ISO/IEC JTC 1/SC 25 to IEEE 802.3 on copper qualification	
Approval:	Agreed to at IEEE 802.3 Plenary meeting, Berlin, Germany, 12th March 2015	

Dear Dr Oehler,

Thank you for your communication of support for IEEE 802.3 Next Generation Enterprise Access BASE-T PHY Study Group. As noted, the study group objectives include the selection of copper media from ISO/IEC 11801:2002, with any appropriate augmentation to be developed through work of IEEE 802.3 in conjunction with ISO/IEC JTC 1/SC 25/WG 3 and TIA TR42. Please find below answers to the questions in the liaison communication.

We are working on developing specifications and will keep you updated as we progress. We welcome your input.

Q: Class E is specified up to 250 MHz and Class D up to 100 MHz. We would appreciate information on the maximum frequency you expect.

A: The study group call for interest included technical feasibility information illustrating frequencies to 100 MHz for the 2.5 Gb/s PHY and frequencies to 200 MHz for the 5 Gb/s PHY operation.

[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.

Q: Alien crosstalk is not specified for either Class D or Class E. Do you foresee a need to qualify that for this installed base?

A: The study group expects that alien crosstalk will need to be considered for both 2.5 Gb/s and 5 Gb/s operation

Q: Are there any other parameters that may need to be qualified?

A: The study group currently expects that Class D and Class E cabling parameters are sufficient with the inclusion of alien crosstalk.

Thank you again for your support.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group