

IEEE
802 IEEE 802.3 CSMA/CD (Ethernet) Working Group

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To: Walter von Pattay; Secretary, ISO/IEC JTC 1/SC 25 (walter@pattay.com)
Cc: Alan Flatman; IEEE 802.3 Liaison (a_flatman@compuserve.com)
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Subject: ISO Liaison letter

Thank you for your continued support in assisting in the development of the 10GBASE-T link segment specifications.

Please find attached the 802.3an Draft 2.0 subclause 55.7 (10GBASE-T link segment characteristics). The draft includes an explicit equation for the derivation of PS AELFEXT exhibiting both a length and insertion loss dependency as well as specifications for an average alien crosstalk of the 4-pairs for both PS AELFEXT and PS ANEXT. Please note that the alien crosstalk limits are used to establish the minimum requirements for the 10GBASE-T link segment and are not intended to impose limits on the achievable alien crosstalk cabling performance.

Additionally, we are very interested in measurement data for the expected dB levels of achievable alien crosstalk mitigation for installed Class E cabling (e.g., unbundling, the use of ScTP and ISO/IEC 11801 ed 2.1 Class E patch cords, interconnect versus cross-connect, connector replacement, etc.).

Sincerely,

Robert M. Grow
Chair, IEEE 802.3 Working Group