

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)
Paul Nikolich; Chair, IEEE 802 (p.nikolich@ieee.org)
Wael Diab; Secretary, IEEE 802.3 (wdiab@broadcom.com)
Brad Booth; Chair, IEEE P802.3an Task Force (bbooth@ieee.org)

Subject: Response to 3N779 liaison letter

IEEE 802.3 is pleased to reply to your 3N779 liaison letter, which covered the topics relating to the link segment specification in IEEE 802.3an.

- 1) Regarding adoption of terms to be used in cabling standards, which are currently under development as in your Annex 1. We have added a note in IEEE 802.3an for PS AELFEXT to indicate the use of the equivalent PS AACR-F term that is used in your documents. These new terms may be considered through a maintenance request of existing 802.3 standards.
- 2) Regarding the computation of PS AACR-F (formerly PS AELFEXT) method from measured AFEXT values, (as per your Annex 2): your proposal has been discussed within IEEE 802.3an, and we suggest that you consider amending your formulation of the normalization with an additional term that scales the coupled length for PS AACR-F (PS AELFEXT).

The total "normalization" factor now becomes:

$$IL_{disturbed} - IL_{disturber} - 10 \cdot \log \left(\frac{IL_{disturbed}}{IL_{disturber}} \right)$$

where:

$IL_{disturbed}$ is the insertion loss of the disturbed link

$IL_{disturber}$ is the insertion loss of the disturber link

We have implemented an equivalent change in the next draft of IEEE 802.3an (draft 3.2); please refer to section 55.7.3.2.1.

- 3) Regarding the expression of IEEE 802.3an alien crosstalk requirements for ISO/IEC TR 24750:
Given the stage of the development of the IEEE 802.3an draft we wish to only implement essential changes in our document and will not adopt any other changes or improvements. We anticipate providing comments to your liaison document from our next scheduled interim meeting on April 12, 2006.

- 4) We hope to conclude our development of IEEE 802.3an very soon. Our anticipation is to have an approved standard in June 2006, and publication in July 2006.

We thank you for your cooperation in developing the supporting cabling standards.

Sincerely,

Robert M. Grow
Chair, IEEE 802.3 Working Group