

COMMITTEE CORRESPONDENCE

January 29, 1999

Mr. Geoff Thompson
Chair – IEEE 802.3
Nortel Networks
P.O. Box 58185
Santa Clara, CA 95052

Mr. Thompson:

The Fiber Optic Task Group of TR-41.8.1 has been aware of and has numerous discussions concerning the issues you raised in your letter provided at the November TR-41.8.1 meeting. Previously this committee sent a request to IEEE 802.3z in regards to the required bandwidth for 62.5 micron to have a 300 meter distance capability for TIA-TSB72. The response was 220 MHz-km at 850nm. This issue was discussed and consensus could not be reached to increase the minimum requirement from 160 MHz-km to 220 MHz-km. Additionally, consensus was reached that the standard should not recognize multiple performance parameters for a specific fiber type. One must remember that this standard specifies minimum performance levels and users and suppliers always have available to them the option of utilizing higher performance products.

Recently the committee sent out for ballot PN-3723 (pending version of TIA/EIA-568-B.3). PN-3723 contained bandwidth specifications of 160/500 for 62.5 micron and 500/500 for 50-micron fiber cable. The ballot closed in October and the comments were discussed at our November meeting. No comments, other than the IEEE liaison letter under review, were received concerning the transmission performance specifications for 62.5 micron, 50 micron, or singlemode.

Concerning application support, the Fiber Optic Task Group of TR-41.8.1 has approved an informative annex for the next revision of TIA/EIA-568-B.1, which will provide useful information to the user community on this issue.

Lastly, the issue concerning bandwidth and restrictive launch conditions are still items under study by TIA FO-2.2.

Based on previous discussions and the ballot of PN-3723, there is no consensus to raise the minimum performance requirements for 62.5 micron fiber.

Sincerely,



Paul Kish
TR-42 Chair

Copy to:
T. Beam
R. Jensen
M. Shariff
J. Siemon

(This correspondence represents "working papers." Therefore, the contents cannot be viewed as reflecting the corporate policies or the views of the Telecommunications Industry Association or of any company. The Association, the companies and individuals involved, take no responsibility in the application of this document.)