

Resolution of comments received during NCITS Public Review of HIPPI-6400-OPT (NCITS 338)

One comment was received from David Hyer of Compaq CComputer Company
Commenter Email: david.hyer@compaq.com
Commenter Phone: 508-467-4550

Clause: 6, Subclause: Table 5 - 1300nm Optical Parameters, Page: 11, Line: Note 1
Comment Type: Technical

-----Comment Text-----

Note 1 says, SM and MM modules are not interchangeable. See clause 8 for SM definition. The intent of this note was to insure a 1300nm source with a controlled launch condition was used in conjunction with multimode (MM) fiber. This is necessary to achieve the effective modal bandwidth and guarantee the stated link distance of 300 meters. However, the specification places no constraints on the launch conditions and therefore the link performance is susceptible to fibers exhibiting excessive DMD (differential mode delay) properties.

-----End Comment-----

-----Resolution-----

The document was changed by

- 1) Adding an acronym definition for CPR (Coupled Power Ratio)
- 2) Adding a table 5 parameter to specify the CPR for multimode fiber
- 3) Expanding note 1 to read: "SM and MM modules are not interchangeable. The CPR requirements for a MM module insure sufficient mode volume such that no individual multimode fiber mode dominates the fiber performance thereby minimizing the effects of differential mode delay."