IEEE 802.3, March 11, 1999

Background:

- The IEEE 802.3z specifies in Clause 38.11.1, Table 38.12, 1.5 dB/km attenuation value for the **MMF cabled** optical fiber

- **References**: ISO/IEC 11801, International Cabling Standard


- The ISO/IEC 11801 specification for cabled optical fiber attenuation is 1.0 dB/km

Issue:

- Vast majority of cable manufacturers (Alcatel, BICC, Pirelli, Siecor, Mohawk CDT, Lucent) can meet the 1.0 dB/km attenuation for loose tube only

- The **tight buffer cable structure**, especially the 50/125 μm, can't be produced to 1.0 dB Max. specification

Recommendation:

- IEEE 802.3 request ISO/IEC JTC1 SC25 WG3 to **change the attenuation value from present 1.0 to 1.5 dB/km** in the **second edition of the International Cabling Standard**