

802.3 Draft

Comment #1 Clause: 33 Subclause: 33.4.9 Page: 85 Line: 25

Cable is only one element of the link segment

Comment Type: E ER T TR

Suggested Remedy:

Change "Cable conforming to ANSI/TIA-568-C.2" to to "Cabling conforming to ANSI/TIA-568-C.2"

Comment #2 Clause: 33 Subclause: 33.4.9 Page: 86 Line: 12

Floor distributor (FD) is connecting hardware, not a room

Comment Type: E ER T TR

Suggested Remedy:

In Figure 33-24, move FD above the two connectors with the jumper, and add a new label "Distributor Room" in the current position of FD

Comment #3 Clause: 33 Subclause: 33.4.9.1.1 Page: 88 Line: 44

Connecting hardware NEXT loss is not correct per either ISO 11801 Ed2 (2002) or TIA-568-C.2 the two referenced documents for cabling requirements.

Comment Type: E ER T TR

Suggested Remedy:

Change to:

NEXT(conn) $\geq 43.0 - 20\log(f/100)$

Comment #4 Clause: 33 Subclause: 33.4.9.1.3 Page: 90 Line: 5

Connector return loss does not agree with ISO 11801 and TIA-568-C.2.

Comment Type: E ER T TR

Suggested Remedy:

In Table 33-1 change the 10/100/1000BASE-T values as follows:

1 MHz $\leq f < 31.5$ MHz	30 dB
31.5 MHz $\leq f \leq 100$	20 $-20\log(f/100)$

Comment #5 Clause: 33 Subclause: 33.4.9.1.1 Page: 89 Line: 13

Missing Connector FEXT requirements for connectors since these impact link segment transmission performance. Note that FEXT loss is referenced in sub-clause 33.4.9.1a

Comment Type: E ER T TR

Suggested Remedy:

After subclause 33.4.9.1.1 add a new sub-clause with FEXT requirements

Add FEXT(Conn) requirement for Category 5E from 1 to 100 MHz up to 1000BASE-T

35.1- $20 \log(f /100)$

Add FEXT(Conn) requirement for Category 6A from 1 to 500 MHz for 10GBASE-T

43.1- $20 \log(f /100)$