
Next Generation BASE-T Link segment

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**Chris DiMinico
MC Communications
cdiminico@ieee.org**

Discussion

- **Revise media related objectives to use link segment definition.**

See objectives Page 1.

http://www.ieee802.org/3/NGBASET/objectives_draft_ngbt_0113.pdf

- **Define a channel model based upon copper media specified by ISO/IEC JTC1/SC25/WG3 and TIA TR42.7 meeting the following characteristics:**
 - **4-pair, balanced twisted-pair copper cabling**
 - **up to 2 connectors**
 - **up to at least 30 m**
- **Define a single 40 Gb/s PHY supporting operation on the channel model**

Link segment

- Link segment used In base document;
 - Clause 14 – 10BASE-T
 - Clause 25 - 100BASE-TX
 - Clause 40 - 1000BASE-T
 - Clause 55 - 10GBASE-T

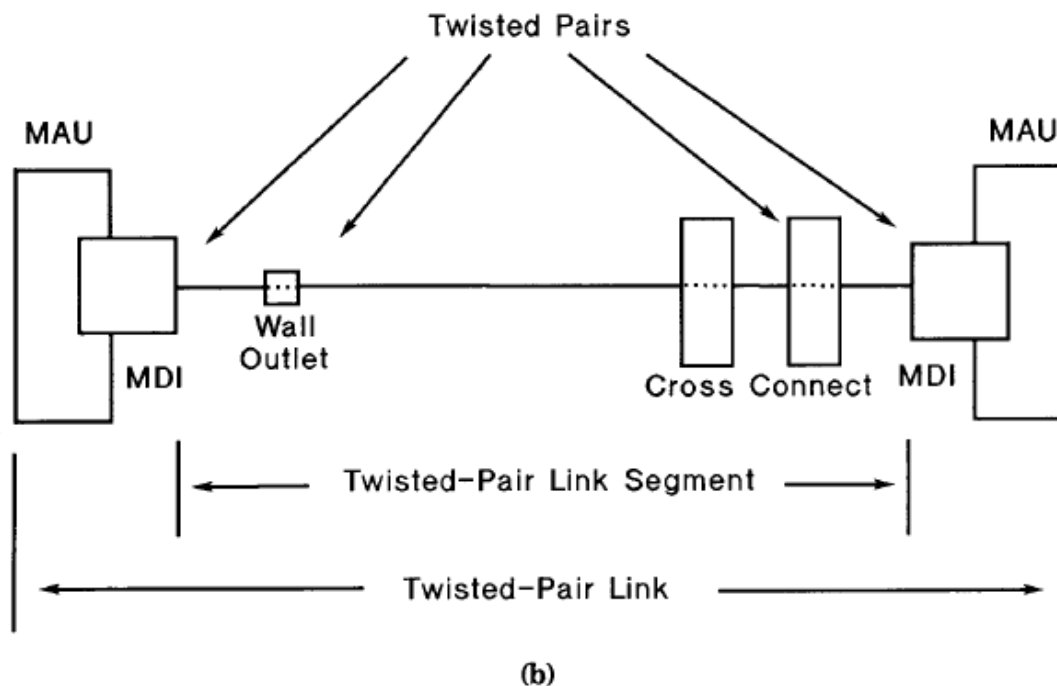


Figure 14-2—Twisted-pair link

1.4.207 link segment: The point-to-point full-duplex medium connection between two and only two Medium Dependent Interfaces (MDIs).

Suggested revisions

- In keeping with the structure of the objectives minimizing changes
- Define a link segment based upon copper media specified by ISO/IEC JTC1/SC25/WG3 and TIA TR42.7 meeting the following characteristics:
 - 4-pair, balanced twisted-pair copper cabling
 - Up to 2 connectors
 - Up to at least 30m
- Define a single 40 Gb/s PHY supporting operation on the defined link segment