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INTERNATIONAL STANDARD

AMENDMENT 1

**Information technology - Generic cabling for customer premises -
Part 6: Distributed building services**

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Information technology - Generic cabling for customer premises - Part 6: Distributed building services

AMENDMENT 1

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Amendment 1 to ISO/IEC 11801-6:2017 has been prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

The text of this Amendment is based on the following documents:

Draft	Report on voting
JTC1-SC25/3364/FDIS	JTC1-SC25/3370/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1, and the ISO/IEC Directives, JTC 1 Supplement available at www.iec.ch/members_experts/refdocs and www.iso.org/directives.

2 Normative references

Replace the ISO/IEC 11801-1:2017 reference with the following new reference:

ISO/IEC 11801-1:2017, *Information technology - Generic cabling for customer premises - Part 1: General requirements*
ISO/IEC 11801-1:2017/AMD1:2025

5.2.1 Stand-alone structure

Replace the first two paragraphs with the following:

In addition to the functional elements specified in ISO/IEC 11801-1, this document specifies two implementations of generic cabling for distributed building services. This document specifies the use of the following.

- Type A generic cabling to the SO: the SO can be placed where the service is needed.
- Type B generic cabling to the SCP: the SCP should be placed where the service is needed, thereby providing more flexibility in the cabling allowed between the SCP and the telecommunication equipment. Type B provides the opportunity for
 - application-specific cabling to be installed between the SCP and terminal equipment,
 - application-specific equipment to be connected at the SCP,
 - generic cabling to be installed between the SCP and the SO.

Any application-specific cabling and equipment beyond the SCP is outside the scope of this document. This information is needed, as only the 1P option is generic.

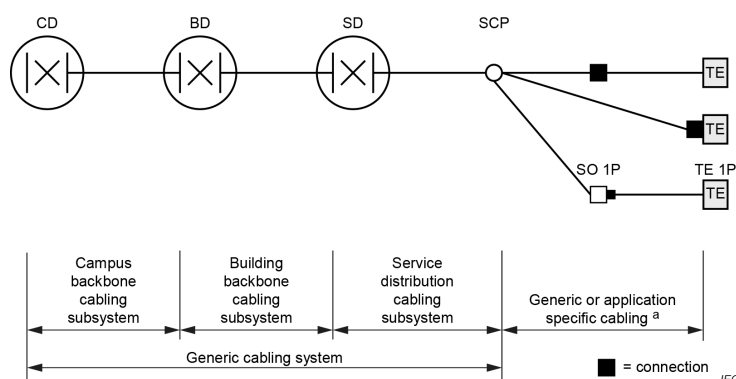
5.3.1 Type A generic cabling

Add, after the first paragraph, the following new paragraph:

Type A generic cabling shall be 4-pair copper or optical fibre in accordance with ISO/IEC 11801-1.

5.3.2 Type B generic cabling

Replace Figure 4 with the following new figure and footnote:



^a Application-specific cabling is generally out of scope of this document. However, extending Type B generic cabling using single pair components of ISO/IEC 11801-1 would transform the cabling between the SCP and the SO 1P into service distribution cabling. Single pair cabling is addressed in the following subclauses: 5.6.2.2, 6.3.2.2, 8.2.3.3, 10.2.2.3 and 11.2.2.

Figure 4 – Structure of Type B generic cabling (typical)

5.6.2.1 Type A generic cabling

Replace the existing three paragraphs with the following new paragraphs:

The transmission performance of Type A generic cabling is detailed in Clause 6 for channels and in Clause 7 for links.

The channel is the transmission path between the transmission equipment (EQP in Figure 9) and the terminal equipment. A typical channel consists of the service distribution cabling subsystem together with service area and equipment cords. For longer reach services, the channel is formed by the connection of two or more subsystems (including service area cords and/or equipment cords).

Links may be tested either during commissioning or for the detection of faults that are suspected in the cabling. Further information about testing is given in IEC 61935-1.

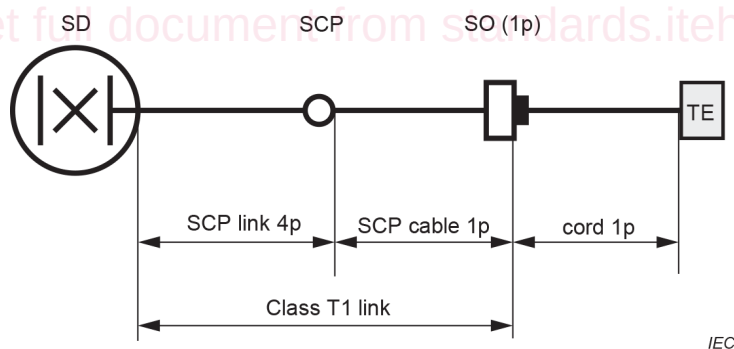
5.6.2.2 Type B generic cabling

Add, after the second paragraph, the following new paragraphs and figure:

Type B generic cabling from the SD to the SCP shall be 4-pair copper or optical fibre in accordance with ISO/IEC 11801-1. The extension of Type B generic cabling between the SCP and TE using single pair components of ISO/IEC 11801-1 provides channel performance as described in 6.3.2.2.

Figure 17 shows an example of connecting telecommunication equipment via single pair.

Channels may be tested either during commissioning or for the detection of faults that are suspected in the cabling. Further information about testing is given in IEC 61935-4.



NOTE "SCP link 4p" is an SCP link made with 4-pair cabling. "SCP cable 1p" is a single pair cable. "Cord 1p" is a single pair cord (here shown without connecting hardware at the TE).

Figure 17 – Example of single pair generic extension

5.7.1 General

In the sixth paragraph, replace "considered" with "used".