

**ISO/IEC 11801-1**

Edition 1.0 2017-11

**INFORMATION TECHNOLOGY –  
GENERIC CABLING FOR CUSTOMER PREMISES**

**Part 1: General requirements**

**CORRIGENDUM 1**

**Foreword**

Replace, in list item d), “Category BCT-B, 8.1, and 8.2;” with “Categories BCT-B, 8.1 and 8.2;”.

Replace list item f) with the following new list item:

f) addition of cabled optical fibre Categories OS1a and OM5;

Replace, in list item g), “silica optical fibre cabling;” with “optical fibre classes;”

Replace list item h) with the following new list item:

h) cabled optical fibre Categories OM1, OM2 and OS1 have been moved to an informative annex.

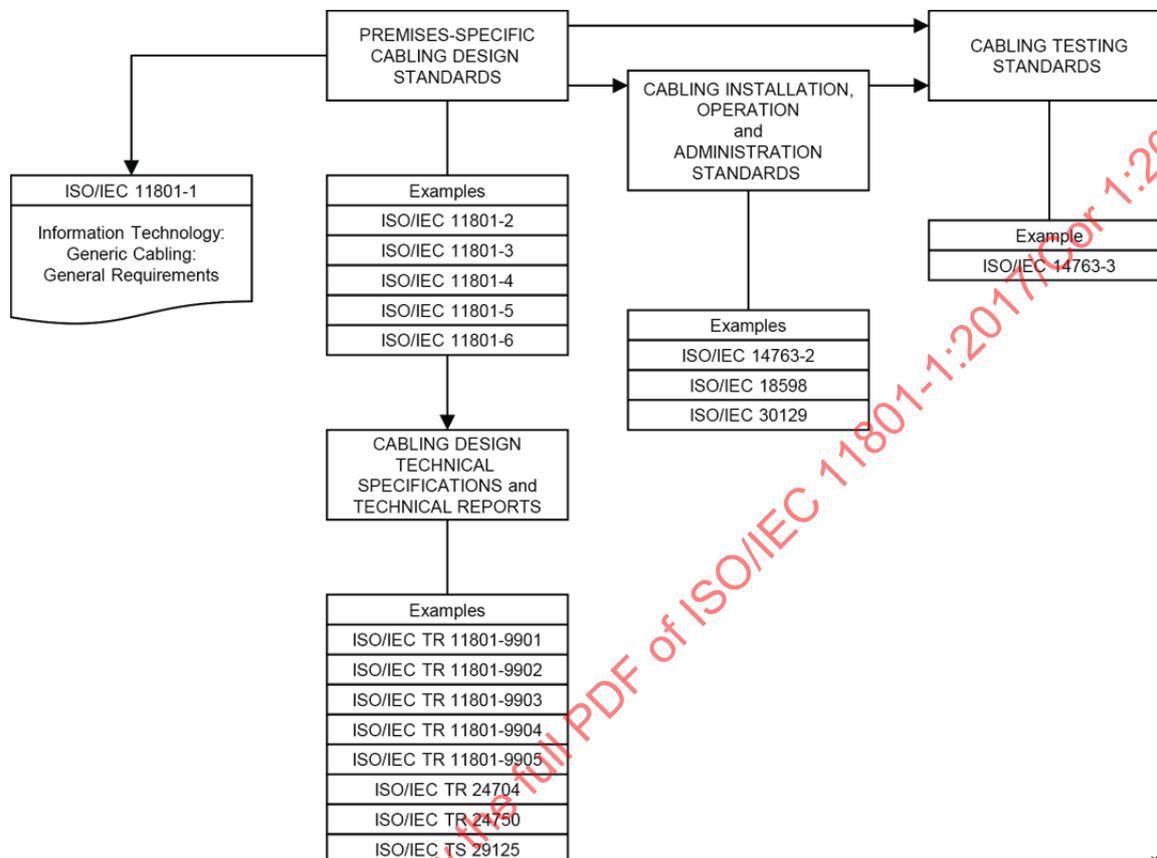
**Introduction**

Replace the first paragraph with the following new paragraph:

This document contains general requirements in support of the other premises-specific referenced cabling design documents developed by ISO/IEC JTC 1/SC 25 including ISO/IEC 11801-2, ISO/IEC 11801-3, ISO/IEC 11801-4, ISO/IEC 11801-5, ISO/IEC 11801-6, related Technical Specifications and Technical Reports (including the ISO/IEC TR 11801-99xx series, ISO/IEC TR 24704, ISO/IEC TR 24750 and ISO/IEC TS 29125).

**Figure 1 – Relationships between the generic cabling documents produced by ISO/IEC JTC 1/SC 25**

Replace the figure graphic with the following new figure graphic:



IEC

### 3.1 Terms and definitions

In 3.1.26, delete “end-to-end” from the definition.

Delete the entire entry 3.1.32.

### 3.2 Abbreviations

Insert the following abbreviation:

connection

Replace:

FEXT far-end crosstalk attenuation (loss)

with:

FEXT far-end crosstalk (loss)

Replace:

NEXT near-end crosstalk attenuation (loss)

with:

NEXT near-end crosstalk (loss)

**3.3.1 Variables**

Delete the following line:

☐ connection

**3.3.2 Indices**

Delete the following line:

TO index to denominate a characteristic, measured from the TO

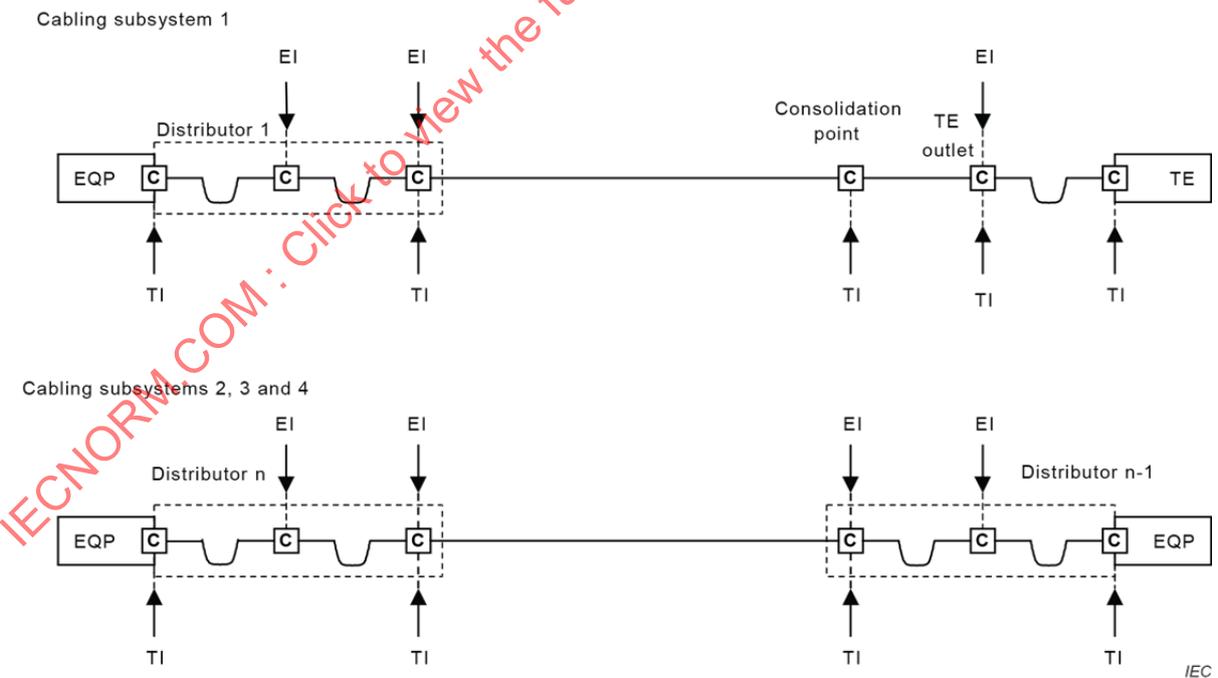
**5.1 Functional elements**

After the sentence “Groups of these functional elements are connected together to form cabling subsystems.”, insert the following new note:

NOTE The numbering of the cabling subsystems does not imply a hierarchy.

**Figure 5 – Equipment and test interfaces**

Replace the figure graphic with the following new figure graphic:



**Table 2 – Details of environmental classification**

In row 20, insert “g/m<sup>3</sup>” after each numerical value in columns 2, 3 and 4, as follows:

Sodium chloride (salt/sea water)	0 g/m <sup>3</sup>	< 0,3 g/m <sup>3</sup>	< 0,3 g/m <sup>3</sup>
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In row 21, insert “mg/m<sup>3</sup>” after each numerical value in columns 2, 3 and 4, as follows:

Oil (dry-air concentration) (for oil types see <sup>b</sup> )	0 mg/m <sup>3</sup>	< 0,005 mg/m <sup>3</sup>	< 0,5 mg/m <sup>3</sup>
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In row 22, insert “mg/m<sup>3</sup>” after each numerical value in columns 3 and 4, as follows:

Sodium stearate (soap)	None	> 5 × 10 <sup>4</sup> mg/m <sup>3</sup> aqueous non-gelling	> 5 × 10 <sup>4</sup> mg/m <sup>3</sup> aqueous gelling
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In rows 26 to 35, insert “mg/m<sup>3</sup>” after each numerical value in columns 2, 3 and 4, as follows:

Hydrogen sulphide	< 0,003 mg/m <sup>3</sup> / < 0,01 mg/m <sup>3</sup>	< 0,05 mg/m <sup>3</sup> / < 0,5 mg/m <sup>3</sup>	< 10 mg/m <sup>3</sup> / < 50 mg/m <sup>3</sup>
Sulphur dioxide	< 0,01 mg/m <sup>3</sup> / < 0,03 mg/m <sup>3</sup>	< 0,1 mg/m <sup>3</sup> / < 0,3 mg/m <sup>3</sup>	< 5 mg/m <sup>3</sup> / < 15 mg/m <sup>3</sup>
Sulphur trioxide (ffs)	< 0,01 mg/m <sup>3</sup> / < 0,03 mg/m <sup>3</sup>	< 0,1 mg/m <sup>3</sup> / < 0,3 mg/m <sup>3</sup>	< 5 mg/m <sup>3</sup> / < 15 mg/m <sup>3</sup>
Chlorine wet (> 50 % humidity)	< 0,000 5 mg/m <sup>3</sup> / < 0,001 mg/m <sup>3</sup>	< 0,005 mg/m <sup>3</sup> / < 0,03 mg/m <sup>3</sup>	< 0,05 mg/m <sup>3</sup> / < 0,3 mg/m <sup>3</sup>
Chlorine dry (< 50 % humidity)	< 0,002 mg/m <sup>3</sup> / < 0,01 mg/m <sup>3</sup>	< 0,02 mg/m <sup>3</sup> / < 0,1 mg/m <sup>3</sup>	< 0,2 mg/m <sup>3</sup> / < 1,0 mg/m <sup>3</sup>
Hydrogen chloride	– / < 0,06 mg/m <sup>3</sup>	< 0,06 mg/m <sup>3</sup> / < 0,3 mg/m <sup>3</sup>	< 0,6 mg/m <sup>3</sup> / 3,0 mg/m <sup>3</sup>
Hydrogen fluoride	< 0,001 mg/m <sup>3</sup> / < 0,005 mg/m <sup>3</sup>	< 0,01 mg/m <sup>3</sup> / < 0,05 mg/m <sup>3</sup>	< 0,1 mg/m <sup>3</sup> / < 1,0 mg/m <sup>3</sup>
Ammonia	< 1 mg/m <sup>3</sup> / < 5 mg/m <sup>3</sup>	< 10 mg/m <sup>3</sup> / < 50 mg/m <sup>3</sup>	< 50 mg/m <sup>3</sup> / < 250 mg/m <sup>3</sup>
Oxides of nitrogen	< 0,05 mg/m <sup>3</sup> / < 0,1 mg/m <sup>3</sup>	< 0,5 mg/m <sup>3</sup> / < 1 mg/m <sup>3</sup>	< 5 mg/m <sup>3</sup> / < 10 mg/m <sup>3</sup>
Ozone	< 0,002 g/m <sup>3</sup> / < 0,005 g/m <sup>3</sup>	< 0,025 g/m <sup>3</sup> / < 0,05 g/m <sup>3</sup>	< 0,1 g/m <sup>3</sup> / < 1 g/m <sup>3</sup>

### 6.3.1 General

In the first sentence after list item 2), replace “two sub-Classes, L and M.” with “two sub-Classes, L and M (see Table 5).”

### 6.3.3.2 Insertion loss/attenuation

In the last paragraph before Table 5, delete “, at maximum implementation,”.

### 6.3.3.6 Direct current loop resistance

Replace the first paragraph with the following new paragraph:

The DC loop resistance requirements are applicable to all cabling Classes.

### **6.3.3.7 Direct current resistance unbalance**

Replace the first paragraph with the following new paragraph:

The DC resistance unbalance requirements are applicable to all cabling Classes.

### **6.3.3.10 Propagation delay**

Replace the first paragraph with the following new paragraph:

The propagation delay requirements are applicable to all cabling Classes.

### **6.3.3.11 Delay skew**

Replace the first paragraph with the following new paragraph:

The delay skew requirements are applicable to all cabling Classes.

### **6.3.3.12.2 Unbalance attenuation, near-end**

In the second paragraph, first sentence, replace the two instances of the word “systems” with “channels”.

### **Table 21 – TCL for channel for unscreened systems**

In the title of Table 21, replace the word “systems” with “channels”.

At the end of footnote b, add the following new text:

“ $f_u$  is the upper frequency of the Class.”

### **Table 25 – ELTCTL for channel for unscreened systems**

In the title of Table 25, replace the word “systems” with “channels”.

### **Table 29 – Coupling attenuation for a channel for screened systems**

In the title of Table 29, replace the word “systems” with “channels”.

### **6.3.3.13.2 Power sum alien NEXT**

In the second paragraph, delete “, at maximum implementation,”.

### **Figure 7 – Link designations**

Replace the figure graphic with the following new figure graphic: