



# Information technology — Generic cabling for customer premises

## TECHNICAL CORRIGENDUM 1

*Technologies de l'information — Câblage générique des locaux d'utilisateurs*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to International Standard ISO/IEC 11801:1995 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 25, *Interconnection of information technology equipment*.

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### **Subclause 6.1.3**

Replace the NOTE by the following:

NOTE - See 9.2.5, 9.3.5 and 9.4.4 for TO requirements that correspond to each of the cables listed above.

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### **Subclause 7.1.2**

Replace the last paragraph by the following:

Table 2 relates the link classes to the categories of clauses 8 and 9. This table indicates the channel length over which the various applications may be supported.

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## Subclause 7.2.2

Replace table 3 by the following:

Table 3 - Minimum return loss at each cabling interface

Frequency MHz	Minimum return loss dB	
	Class C	Class D
$1 \leq f < 10$	18 (f.f.s.)	18 (f.f.s.)
$10 \leq f < 16$	15 (f.f.s.)	15 (f.f.s.)
$16 \leq f < 20$	N/A	15 (f.f.s.)
$20 \leq f \leq 100$	N/A	10 (f.f.s.)

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## Subclause 7.2.8

Replace table 9 by the following:

Table 9 - Longitudinal to differential conversion loss

Frequency MHz	Minimum longitudinal to differential conversion loss dB			
	Class A	Class B	Class C	Class D
0,1	30	45	35	40
1,0	N/A	20	30	40
4,0	N/A	N/A	f.f.s.	f.f.s.
10,0	N/A	N/A	25	30
16,0	N/A	N/A	f.f.s.	f.f.s.
20,0	N/A	N/A	f.f.s. N/A	f.f.s.
100,0	N/A	N/A	N/A	f.f.s.

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## Subclause 9.1.6

Replace item a) by the following:

- a) minimal signal impairment and maximum shield effectiveness (where shielded cabling is used) by proper cable preparation, termination practices (in accordance with manufacturer's guidelines) and well organised cable management;

Table G.2

Replace table G.2 by the following:

Table G.2 - Pairs and minimum performance requirements for emerging applications

Local Area network applications					
100BASE-T	100BASE-T	100BASE-T	DPAM	DPAM	DPAM
-TX	-T2	-T4	-4UTP	-2STP	-2UTP
2 pairs	2 pairs	4 pairs	4 pairs	2 pairs	2 pairs
category 5 or 150 Ohm	category 3	category 3	category 3	150 Ohm	category 5

Table G.4

Replace table G.4 by the following:

Table G.4 - Application standards and balanced cabling

	Balanced cabling per clauses 6, 8 and 9						Performance based cabling per clause 7											
							Class A			Class B			Class C			Class D		
	C	C	C	C	C	C	1	1	1	1	1	1	1	1	1	1	1	1
	a	a	a	a	a	a	0	2	5	0	2	5	0	2	5	0	2	5
	3	4	5	3	4	5	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
POTS/PBX	I	I	I	I	I	I	I	I		I	I		I	I		I	I	
X.21/V.11	I	I	I	I	I	I				I	I		I	I		I	I	
S <sub>0</sub> -Bus ISDN basic rate	N	N	N	N	N	N				N	N		N	N		N	N	
S <sub>0</sub> -Pt - Pt ISDN basic rate	N	N	N	N	N	N				N	N		N	N		N	N	
S <sub>1</sub> ISDN primary primary rate 1,5 Mbit/s	N	N	N							N			N			N		
S <sub>1</sub> ISDN primary primary rate 2 Mbit/s				N	N	N					N			N			N	
8802-3: 1BASE5	N	N	N										N			N		
8802-3: 10BASE-T <sup>1)</sup>	N	N	N	I	I	I							N	I		N	I	
8802-5: 4 Mbit/s	N	N	N	I	I	I	N						N	I	N	N	I	N
8802-5: 16 Mbit/s		N	N		I	I	N								N	N	I	N
FDDI TP-PMD			(N)						(N)							(N)		(N)
ATM (TP)																		
<p>“N” denotes normative support of the media in the standard.                      “I” denotes that there is information in the International Standard regarding operation on this media.                      ( ) International Standard has not completed approval process.                      1) In addition to this standard, ISO/IEC 8802-3 10BASE-T requires the minimum velocity of propagation at 0.585c.</p>																		