DRAFT AMENDMENT ISO/IEC 11801:1995/DAM 1

ISO/IEC JTC **1** Secretariat: **ANSI**

Voting begins on 1997-05-29 Voting terminates on 1997-09-29

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Generic cabling for customer premises

AMENDMENT 1

Technologies de l'information — Câblage générique des locaux du client

AMENDEMENT 1

ICS 35.200

Descriptors: data processing, information interchange, telecommunications, buildings, premises, communication cables, cabling, specifications, performance, verification.

In accordance with the provisions of Council Resolution 21/1986 this document is submitted in the English language only.

Conformément aux dispositions de la Résolution du Conseil 21/1986, ce document est distribué en version anglaise seulement.

To expedite distribution, this document is circulated as received from the committee secretariat.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité.

ISO/IEC JOINT TECHNICAL COMMITTEE 1

SUBCOMMITTEE N° 25: INTERCONNECTION OF
INFORMATION TECHNOLOGY EQUIPMENT
WORKING GROUP 3 : CUSTOMER PREMISES CABLING.

CHANGES to ISO/IEC 11801 1st edition

DAM 1.1 to the ISO/IEC 11801

Page 15
Subclause 5.5 Telecommunications outlets

Replace 3rd paragraph with:
A minimum of one TO served by 100 Ω or 120 Ω cable shall be provided at each work area[1)] (100 Ω preferred). Other TOs shall be supported by either balanced cable or by fibre optical cable[2)]. In the horizontal cabling, at least one TO shall be configured as specified in item b of 6.1.3 (balanced or optical fibre cable) or at least one TO shall be served by either class D or optical class, as identified in 7.1.1. When a TO is supported by balanced cable, 2 pairs[3)] or 4 pairs shall be provided at each TO; all pairs shall be terminated. If less than four pairs are provided, the outlet shall be clearly marked[4)]. Emerging balanced cable applications may be limited by differential delay of pairs that serve a single telecommunications outlet. See clause 9 for TO specifications that correspond to each of the cables listed above.

replace footnotes with:

1) When the greatest flexibility is desired, four pair or two quad cable should be used (see Annex G).
2) When the largest bandwidth is desired the use of OF is recommended.
3) Installation of 2 pairs not capable of forming class D links may limit the applications supported.
4) See annex G for number and performance of pairs needed for different applications and their pin assignment.

Page 25
Subclause 7.2.1 Characteristic impedance
Replace first paragraph with:
The nominal characteristic impedance of a link shall be 100 Ω, 120 Ω, or 150 Ω at frequencies between 1 MHz and the highest specified frequency for the cabling class.

Delete second paragraph:
~~**The tolerance of the characteristic impedance in a given link shall not exceed the chosen nominal impedance by more than ± 15Ω (f.f.s.) from 1 MHz up to the highest specified frequency for that class.**~~

Page 26
Subclause 7.2.1
Replace second paragraph with:
The characteristic impedance of cabling links should be achieved by suitable design, and the appropriate choice of cables and connecting hardware.

Page 26
Subclause 7.2.2 Return loss
Replace first paragraph with:

The return loss of the cabling, measured at any interface, shall meet or exceed the values shown in table 3.Terminations that are matched to the nominal impedance of the cabling (in particular 100 Ω, 120 Ω or 150 Ω), shall be connected to cabling elements under test at the remote end of the link.

Page 26
Replace table 3 with:

Table 3 - Minimum return loss at each cabling interface

Frequency MHz	Minimum return loss dB	
	Class C	Class D
1 ≤ f < 10	18	18
10 ≤ f < 16	15	15
16 ≤ f < 20	N/A	15
20 ≤ f ≤ 100	N/A	10

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Subclause 8.1 General requirements for 100 Ω and 120 Ω balanced cabling
Replace line 1.14 in Table 15with the following:

Cable characteristics		Units	Subsystem	Test method
....	.....	.....	.....	.....
1.14	Fire Rating		According to IEC1156 unless otherwise requested by local regulation.	As applicable .
.....	.....		.....	.....

Page 37
Subclause 8.2 General requirements for 150 Ω balanced cabling
Replace line 1.15 in Table 20 with the following:

Cable characteristics		Units	Requirement	Test method
....	.....	.....	.....	.....
.....	.....		.....	.....
1.15	Fire Rating		According to IEC1156 unless otherwise requested by local regulation.	As applicable .

EXPLANATORY REPORT ISO/IEC JTC 1/SC 25 **N 374 Ax 1.1**	**ISO/IEC 11801/DAM 1.1**
Will supersede: SC 25 N 315	Secretariat: Germany

This form should be sent to ITTF, together with the committee draft, by the secretariat of the joint technical committee or sub-committee concerned

The accompanying document is submitted for circulation to member body vote as a DAM, following consensus of the P-members of the committee obtained on: 1997-03-20	
	based on the 6th plenary of ISO/IEC JTC 1/SC 25 in London, 1996-06-21 (See Resolution Number 26 in document SC 25 N 310)
X	by postal ballot initiated on: 1996-08-07 and conversion of negative votes after resolution of comments

P-members in favour:	Canada, Czech Republic, France, Germany*, Japan, Sweden, Switzerland, USA
P-members voting against:	Belgium, Finland, Netherlands, United Kingdom
P-members abstaining:	
P-members who did not vote:	Australia, Denmark, Italy, New Zealand, Norway, Spain, Sweden, Ukraine,

* Vote changed after drafting of DAM 1.1

Remarks:

The voting recorded above is that on the PDAM after resolving of the comments and after the first country who voted No had changed its vote to yes based on the fact, that comments were resolved and the PDAM splitting it into two DAMs, the first of which DAM 1.1 has now reached the support needed to go ahead. It is expected that additional countries who originally rejected the PDAM change their vote. This vote was taken by correspondence.

The collation of comments on the PDAM was circulated as SC 25 N 353A.

The Disposition of Comments Report is circulated as SC 25 N 374.

Project: JTC 1.25.03.02.01-02

I hereby confirm that this draft meets the requirements of part 3 of the IEC/ISO Directives

Date: 1997-03-21	Name and signature of the secretary: Dr.-Ing. Walter P. von Pattay