

IEC 62368-1
(First edition – 2010)

Audio/video, information and communication technology equipment –

Part 1: Safety requirements

CORRIGENDUM 1

0.7.2 Models for electrically-caused fire

Replace, in the last paragraph, the penultimate sentence, as follows:

When the gas is at its spontaneous ignition temperature, the gas will ignite by itself.

2 Normative references

Delete the reference to publication “IEC/TS 61202-1”.

Table 5 – Electrical energy source limits for d.c. and low frequency a.c. voltages

Replace, in the last sentence of the table, the publication reference number, by the following:

IEC/TS 61201

5.3.6.2 Contact requirements

Replace, item a), by the following:

- a) pass an electric strength test in accordance with 5.4.11.1 at a test voltage (d.c. or peak a.c.) that is equal to the test voltage for **basic insulation** in Table 32 corresponding to the **peak working voltage**; or

5.4.2.5.1 Mains transient voltages

Replace, item c), by the following:

- c) For circuits supplied from a d.c. **mains**, b)1), b)2) or b)3) shall be applied.

Table 18 – Minimum clearances up to 2 000 m above sea level, inhomogeneous field distribution (for steady-state voltages, temporary overvoltages and recurring peak voltages)

Replace the entire existing table by the following:

Peak working voltage	Basic insulation or supplementary insulation			Reinforced insulation		
	mm			mm		
V peak or d.c. up to and including	Pollution degree			Pollution degree		
	1 ^a	2	3	1 ^a	2	3
330	0,01	0,2	0,8	0,04	0,6	1,5
400	0,02			0,074		
500	0,04			0,13		
600	0,06			0,234		
800	0,13			0,76		
1 000	0,26	0,26				
1 200	0,42			1,19	0,76	
1 500	0,76			1,8		1,8
2 000	1,27			2,8		
2 500	1,8			3,8		
3 000	2,4			6,2		
4 000	3,8			7,9		
5 000	6,7			11		
6 000	7,9			11		
8 000	11,0			19		
10 000	15,2			26,8		
12 000	19			32,56		
15 000	25			42		
20 000	34			59,4		
25 000	44			77		
30 000	55			95,4		
40 000	77			131		
50 000	100			175		
60 000	120			219		
80 000	175			307		
100 000	230			395		
The values in the above table are derived from IEC 60664-1:2007, Table F.7a.						
Linear interpolation may be used between the nearest two points, the calculated minimum clearances being rounded up to the next higher 0,1 mm increment or the value in the next row below whichever is lower.						
^a The values for Pollution degree 1 may be used if a sample complies with the tests of 5.4.8.						

5.4.2.8 Minimum clearances based on electric strength test

Replace, in the first two paragraphs, “Table 20” by “Table 21”.

Table 33 – Test voltages for electric strength tests based on temporary overvoltages

Replace the entire existing table by the following:

Nominal mains system voltage	Test voltage for basic insulation or supplementary insulation	Test voltage for reinforced insulation
V r.m.s.	V peak or d.c.	
Up to and including 250	2 000	4 000
Over 250 up to and including 600	2 500	5 000

5.5.2.7 Resistors as a basic safeguard and a supplementary safeguard

Delete, at the end of this subclause, the NOTE.

5.6.8.2 Reliable earthing for protection

Delete, at the end of this subclause, the NOTE.

5.6.8.3 Reliable earthing when the basic safeguard between ES1 and ES2 is provided by earthing ES1

Delete, at the end of this subclause, the NOTE.

6.3.1 Requirements

Replace, in the second dashed item, first and second sentences, “auto-ignition” by “spontaneous ignition”.

6.4.3.3 Test method

Replace, in NOTE 3, “auto-ignition” by “spontaneous ignition”.