

TECHNICAL REPORT

AMENDMENT 1

**Information technology – Generic cabling – Introduction to the MICE
environmental classification**

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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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FOREWORD

Amendment 1 to Technical Report ISO/IEC TR 29106 was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

This Amendment 1 has been approved by vote of the member bodies, and the voting results may be obtained from the address given on the second title page.

INTRODUCTION to Amendment 1

This Amendment has been developed to correct the misalignment of the MICE table with ISO/IEC 24702.

2 Reference documents

Delete the following two references.

IEC 61000-2-5, *Electromagnetic compatibility (EMC) – Part 2: Environment – Section 5: Classification of electromagnetic environments. Basic EMC publication*

IEC 61326:2001, *Electrical equipment for measurement, control and laboratory use – EMC requirements*

5.5 Electromagnetic environment

Replace existing Table 6 by the following new Table 6.

NOTE The updated references have been indicated by grey areas.

Table 6 – Derivation of boundaries for electromagnetic criteria in Table 1

Electromagnetic	E ₁	E ₂	E ₃
Electrostatic discharge – Contact (0,667 µC)	4 kV	4 kV	4 kV
Electrostatic discharge – Air (0,132 µC)	8 kV	8 kV	8 kV
	IEC 61000-6-1 and IEC 61000-6-2		
Radiated RF – AM	3 V/m at 80 MHz to 1 000 MHz	3 V/m at 80 MHz to 1 000 MHz	10 V/m at 80 MHz to 1 000 MHz
	3 V/m at 1 400 MHz to 2 000 MHz	3 V/m at 1 400 MHz to 2 000 MHz	3 V/m at 1 400 MHz to 2 000 MHz
	1 V/m at 2 000 MHz to 2 700 MHz	1 V/m at 2 000 MHz to 2 700 MHz	1 V/m at 2 000 MHz to 2 700 MHz
	IEC 61000-6-1		IEC 61000-6-2
Conducted RF	3 V at 150 kHz to 80 MHz	3 V at 150 kHz to 80 MHz	10 V at 150 kHz to 80 MHz
	IEC 61000-6-1		IEC 61000-6-2
EFT/B (comms)	500 V	500 V	1 000 V
	IEC 61000-6-1		IEC 61000-6-2
Surge (transient ground potential difference) - signal, line to earth	500 V	1 000 V	1 000 V
	IEC 61000-6-1	IEC 61000-6-2	IEC 61000-6-2
Magnetic field (50/60 Hz)	1 Am ⁻¹	3 Am ⁻¹	30 Am ⁻¹
	–	IEC 61000-6-1	IEC 61000-6-2
Magnetic field (60 Hz to 20 000 Hz)	ffs	ffs	ffs

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