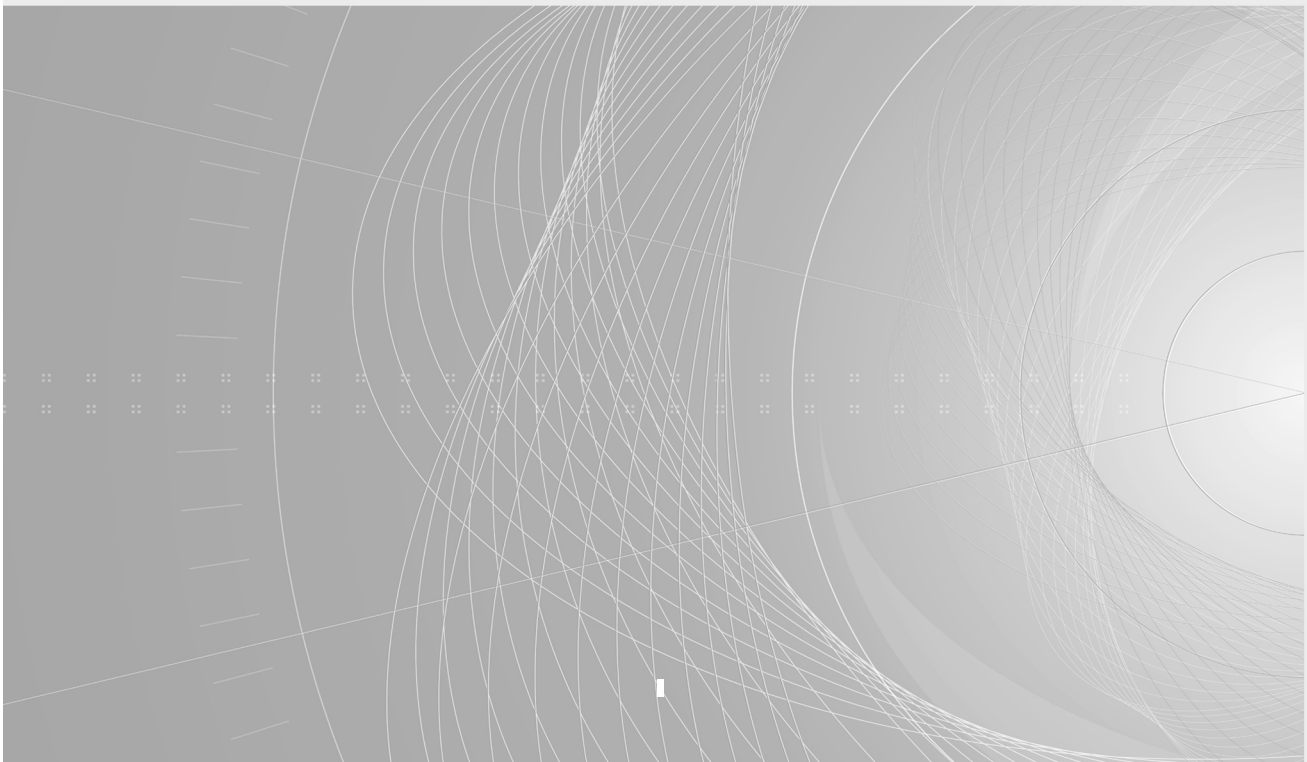
ISO/IEC/TR 29106

Edition 1.0 2012-12

TECHNICAL REPORT

AMENDMENT 1

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



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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.

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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 1 400 MHz to 2 000 MHz 1 V/m at 2 000 MHz to 2 700 MHz	3 V/m at 80 MHz to 1 000 MHz 3 V/m at 1 400 MHz to 2 000 MHz 1 V/m at 2 000 MHz to 2 700 MHz	10 V/m at 80 MHz to 1 000 MHz 3 V/m at 1 400 MHz to 2 000 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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