

1-0-1

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU



SERIES K: PROTECTION AGAINST INTERFERENCE

Characteristics of metal oxide varistors for the protection of telecommunication installations **Corrigendum 1**

Recommendation ITU-T K.77 (2009) - Corrigendum 1



Recommendation ITU-T K.77

Characteristics of metal oxide varistors for the protection of telecommunication installations

Corrigendum 1

Summary

Corrigendum 1 to Recommendation ITU-T K.77 corrects reference defects given in Recommendation ITU-T K.77 (2009). One reference has been withdrawn and merged with another reference. The reference and its associated text reference are changed. Other references are removed as they are not stated in the body of this Recommendation. Six references have been revised and their references are updated.

History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T K.77	2009-01-13	5
1.1	ITU-T K.77 (2009) Cor.1	2011-05-05	5

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <u>http://www.itu.int/ITU-T/ipr/</u>.

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Table of Contents

		Page
1	Scope	1
2	Resolved defects	1

Characteristics of metal oxide varistors for the protection of telecommunication installations

Corrigendum 1

1 Scope

International Standard IEC 60068-2-29:1987, *Environmental testing – Part 2-29: Tests – Test Eb and guidance: Bump*, has been merged into IEC 60068-2-27:2008, *Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock*. References previously made to [IEC 60068-2-29] must be made to [IEC 60068-2-27].

Some references are not stated in the body of this Recommendation and are therefore removed from the References clause. Six references have been revised and their references need to be updated. This corrigendum resolves these defects.

2 Resolved defects

In the References clause 2, replace the published reference lines with the updated references shown below:

[IEC 60060-2]	IEC 60060-2 (2010), High voltage test techniques – Part 2: Measuring systems.
[IEC 60068-2-6]	IEC 60068-2-6 (2007), Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal).
[IEC 60068-2-14]	IEC 60068-2-14 (2009), Environmental testing – Part 2-14: Tests – Test N: Change of temperature.
[IEC 60068-2-20]	IEC 60068-2-20 (2008), Environmental testing – Part 2-20: Tests – Test T: Test methods for solderability and resistance to soldering heat of devices with leads.
[IEC 60068-2-27]	IEC 60068-2-27 (2008), Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock.
[IEC 61000-4-2]	IEC 61000-4-2 (2008), Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test.
In the References cl	ause 2, delete the references shown below:
[IEC 60060-1]	IEC 60060-1 (1989), High-voltage test techniques Part 1: General definitions and test requirements.
[IEC 60068-1]	IEC 60068-1 (1988), Environmental testing – Part 1: General and guidance.
[IEC 60068-2-13]	IEC 60068-2-13 (1983), Environmental testing – Part 2: Tests – Test M: Low air pressure.
[IEC 60068_2_20]	IEC 60068-2-29 (1987) Environmental testing Part 2: Tests Test Eh and

[IEC 60068-2-29] IEC 60068-2-29 (1987), Environmental testing Part 2: Tests Test Eb and guidance: Bump.

[IEC 60068-2-69]	IEC 60068-2-69 (2007), Environmental testing – Part 2-69: Tests – Test Te: Solderability testing of electronic components for surface mounting devices (SMD) by the wetting balance method.	
[IEC 60099-4]	IEC 60099-4 (2006), Surge arresters Part 4: Metal-oxide surge arresters without gaps for a.c. systems.	
[IEC 61000-4-5]	IEC 61000-4-5 (2005), Electromagnetic compatibility (EMC) Part 4-5: Testing and measurement techniques – Surge immunity test.	
[IEC 61051-1]	IEC 61051-1 (2007), Varistors for use in electronic equipment Part 1: Generic specification.	
[IEC 61643-1]	IEC 61643-1 (2005), Low-voltage surge protective devices – Part 1: Surge protective devices connected to low-voltage power distribution systems – Requirements and tests.	
[IEC 61643-21]	IEC 61643-21 (2000), Low voltage surge protective devices — Part 21: Surge protective devices connected to telecommunications and signalling networks — Performance requirements and testing methods.	
[IEC 61643-331]	IEC 61643-331 (2003), Components for low-voltage surge protective devices – Part 331: Specification for metal oxide varistors (MOV).	
In clause 8.5, Bump, replace in the first paragraph line:		
[IEC 60068-2-29]		
with:		

[IEC 60068-2-27]

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- Series A Organization of the work of ITU-T
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- Series F Non-telephone telecommunication services
- Series G Transmission systems and media, digital systems and networks
- Series H Audiovisual and multimedia systems
- Series I Integrated services digital network
- Series J Cable networks and transmission of television, sound programme and other multimedia signals

Series K Protection against interference

- Series L Construction, installation and protection of cables and other elements of outside plant
- Series M Telecommunication management, including TMN and network maintenance
- Series N Maintenance: international sound programme and television transmission circuits
- Series O Specifications of measuring equipment
- Series P Terminals and subjective and objective assessment methods
- Series Q Switching and signalling
- Series R Telegraph transmission
- Series S Telegraph services terminal equipment
- Series T Terminals for telematic services
- Series U Telegraph switching
- Series V Data communication over the telephone network
- Series X Data networks, open system communications and security
- Series Y Global information infrastructure, Internet protocol aspects and next-generation networks
- Series Z Languages and general software aspects for telecommunication systems