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Elektromagnetna združljivost (EMC) - 4-31. del: Preskusne in merilne tehnike -Preskus odpornosti konektorjev izmeničnega napajanja proti širokopasovnim motnjam po vodnikih

Electromagnetic Compatibility (EMC) - Part 4-31: Testing and measurement techniques -AC mains ports broadband conducted disturbance immunity test

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Compatibilité électromagnétique (CEM) - Partie 4-31: Techniques d'essai et de mesure -Essai d'immunité aux perturbations conduites à large bande sur les accès d'alimentation secteur en courant alternatifards.iteh.ai/catalog/standards/sist/3829c35c-flca-4c51-9865-29510c77e543/sist-en-61000-4-31-2017

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ICS:

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Electromagnetic compatibility (EMC) Part 4-31: Testing and measurement techniques - AC mains
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(IEC 61000-4-31:2016)

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EN 61000-4-31:2017

European foreword

The text of document 77B/758/FDIS, future edition 1 of IEC 61000-4-31, prepared by SC 77B "High frequency phenomena" of IEC/TC 77 "Electromagnetic compatibility" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61000-4-31:2017.

The following dates are fixed:

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

CISPR 16-1-2 NOTE SHarmonized as EN 55016-1-21

EN 61000-4-31:2017

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60050-161	-	International Electrotechnical Vocabulary (IEV) - Chapter 161: Electromagnetic compatibility		-
IEC 61000-4-6	2013	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	EW 61000-4-6	2014
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTROMAGNETIC COMPATIBILITY (EMC) -

Part 4-31: Testing and measurement techniques – AC mains ports broadband conducted disturbance immunity test

FOREWORD

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International Standard IEC 61000-4-31 has been prepared by subcommittee 77B: High-frequency phenomena, of IEC technical committee 77: Electromagnetic compatibility.

This standard forms Part 4-31 of the IEC 61000 series. It has the status of a basic EMC publication in accordance with IEC Guide 107.

The text of this standard is based on the following documents:

FDIS	Report on voting	
77B/758/FDIS	77B/760/RVD	

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

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A list of all parts in the IEC 61000 series, published under the general title *Electromagnetic* compatibility (EMC), can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- · replaced by a revised edition, or
- amended.

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INTRODUCTION

IEC 61000 is published in separate parts according to the following structure:

Part 1: General

General considerations (introduction, fundamental principles)
Definitions, terminology

Part 2: Environment

Description of the environment Classification of the environment Compatibility levels

Part 3: Limits

Emission limits

Immunity limits (in so far as they do not fall under the responsibility of the product committees)

Part 4: Testing and measurement techniques

Measurement techniques STANDARD PREVIEW
Testing techniques (standards.iteh.ai)

Part 5: Installation and mitigation guidelines

Installation guidelines SIST EN 61000-4-31:2017

Installation guidelines https://standards.iteh.ai/catalog/standards/sist/3829c35c-flca-4c51-9865-Mitigation methods and devices0c77e543/sist-en-61000-4-31-2017

Part 6: Generic standards

Part 9: Miscellaneous

Each part is further subdivided into several parts, published either as International Standards or as Technical Specifications or Technical Reports, some of which have already been published as sections. Others will be published with the part number followed by a dash and a second number identifying the subdivision (example: IEC 61000-6-1).

This part is an International Standard which gives immunity requirements and test procedure related to conducted broadband disturbances.