SLOVENSKI STANDARD
oSIST prEN IEC 55016-1-4:2024

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Specifikacija merilnih naprav in metod za merjenje radiofrekvenčnih motenj in odpornosti - 1-4. del: Merilne naprave za merjenje radiofrekvenčnih motenj in odpornosti - Antene in preskuševališča za meritve sevanih motenj

Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements

Anforderungen an Geräte und Einrichtungen sowie Festlegung der Verfahren zur Messung der hochfrequenten Störaussendung (Funkstörungen) und Störfestigkeit – Teil 1-4: Geräte und Einrichtungen zur Messung der hochfrequenten Störaussendung (Funkstörungen) und Störfestigkeit – Antennen und Messplätze für Messungen der gestrahlten Störaussendung

Spécifications des méthodes et des appareils de mesure des perturbations radioélectriques et de l'immunité aux perturbations radioélectriques - Partie 1-4: Appareils de mesure des perturbations radioélectriques et de l'immunité aux perturbations radioélectriques - Antennes et emplacements d’essai pour les mesures des perturbations rayonnées

Ta slovenski standard je istoveten z: **prEN IEC 55016-1-4:2024**

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17.240	Merjenje sevanja	Radiation measurements
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CIS/A/1416/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: **CISPR 16-1-4 ED5**	
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IEC CIS/A : RADIO-INTERFERENCE MEASUREMENTS AND STATISTICAL METHODS	
SECRETARIAT: United States of America	SECRETARY: Mr Nicholas Abbondante
OF INTEREST TO THE FOLLOWING COMMITTEES: CIS/B,CIS/D,CIS/F,CIS/H,CIS/I	PROPOSED HORIZONTAL STANDARD: ☐ Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: ☒ EMC ☐ ENVIRONMENT	☐ QUALITY ASSURANCE ☐ SAFETY
☒ SUBMITTED FOR CENELEC PARALLEL VOTING **Attention IEC-CENELEC parallel voting** The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting. The CENELEC members are invited to vote through the CENELEC online voting system.	☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING

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TITLE:

Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements

PROPOSED STABILITY DATE: 2024

NOTE FROM TC/SC OFFICERS:

This CDV constitutes a new edition of CISPR 16-1-4, Ed5.0, since there have already been two amendments, however the revision consists mainly of text concerning the VHF-LISN.

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3 **Introduction to the CDV**
4 **(not to be included in final publication)**

5 This is the CDV following the 3rd CD CISPR/A/1369/CD, circulated on 29 April 2022, taking into
6 account the comments in CISPR/A/1380/CC circulated on 23 September 2022. This document
7 is to add the VHF-LISN characteristics to be used for EUT AC mains cable termination in
8 radiated emission measurements. As this project would be the third amendment of Edition 4,
9 and IEC rules allow only two amendments for each edition of a publication, then a new edition
10 of CISPR 16-1-4 is required. Therefore this CDV is the CISPR 16-1-4 Ed. 5.0 in which general
11 editorial changes, not specific to cable terminations, have been added.

12 Deletions and additions since the CD are shown with red font and red strikeout text for changes
13 following the CD and CC, while blue font and blue strikeout text are for changes from the
14 CISPR/A Editing Committee.

15 Background:

16 National Committees please note: The addition of VHF-LISN for terminating the AC mains cable
17 of EUT is intended to improve the reproducibility of radiated emission measurement in the
18 frequency range from 30 MHz to 300 MHz.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

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SPECIFICATION FOR RADIO DISTURBANCE AND IMMUNITY MEASURING APPARATUS AND METHODS –

Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements

FOREWORD

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This fifth edition cancels and replaces the fourth edition published in 2019, amendment 1:2020 and amendment 2:2023.

This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- Revision of the definition 3.1.8 and of the general introduction 8.1 for CMAD;
- Introduction of a new cable termination device, the very high frequency line impedance stabilization network (VHF-LISN) in Clause 11.
- Addition of definition 3.1.34 for VHF-LISN, 3.1.21 for reference ground, and 3.1.31 for TN-C-S power system,
- Addition of an abbreviation RG in 3.2 for Reference Ground.

International Standard CISPR 16-1-4 has been prepared by CISPR subcommittee A: Radio-interference measurements and statistical methods.

It has the status of a basic EMC publication in accordance with IEC Guide 107, *Electromagnetic compatibility – Guide to the drafting of electromagnetic compatibility publications.*

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

A list of all parts of CISPR 16 series, under the general title *Specification for radio disturbance and immunity measuring apparatus and methods*, can be found on the IEC website.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until the stability date indicated on the IEC web site 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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