



SLOVENSKI STANDARD

SIST EN 55025:2017

01-april-2017

Nadomešča:
SIST EN 55025:2009

Vozila, plovila in naprave z motorji z notranjim zgorevanjem - Karakteristike občutljivosti za radijske motnje - Mejne vrednosti in metode merjenja za zaščito sprejemnikov na krovu

Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of on-board receivers

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Ta slovenski standard je istoveten z: EN 55025:2017

ICS:

33.060.20	Sprejemna in oddajna oprema	Receiving and transmitting equipment
33.100.99	Drugi vidiki v zvezi z EMC	Other aspects related to EMC

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EUROPEAN STANDARD

EN 55025

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2017

ICS 33.100.10; 33.100.20

Supersedes EN 55025:2008

English Version

Vehicles, boats and internal combustion engines - Radio
disturbance characteristics - Limits and methods of
measurement for the protection of on-board receivers
(CISPR 25:2016)

Véhicules, bateaux et moteurs à combustion interne -
Caractéristiques des perturbations radioélectriques -
Limites et méthodes de mesure pour la protection des
récepteurs embarqués
(CISPR 25:2016)

Fahrzeuge, Boote und von Verbrennungsmotoren
angetriebene Geräte - Funkstöreigenschaften - Grenzwerte
und Messverfahren für den Schutz von an Bord befindlichen
Empfängern
(CISPR 25:2016)

This European Standard was approved by CENELEC on 2016-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 55025:2017**European foreword**

The text of document CISPR/D/432/FDIS, future edition 4 of CISPR 25, prepared by CISPR SC D "Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 55025:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-09-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-12-01

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

		<u>SIST EN 55025:2017</u>
CISPR 22	NOTE	https://standards.iteh.ai/catalog/standards/sist/df310fa0-30b6-49e8-8a21-a00837416c1e/55025-2017 Harmonized as EN 55022.
CISPR 12:2007	NOTE	Harmonized as EN 55012:2007.
CISPR 12:2007/AMD1:2009	NOTE	Harmonized as EN 55012:2007/A1:2009.
CISPR 16-2-3:2010	NOTE	Harmonized as EN 55016-2-3:2010.
CISPR 16-2-3:2010/AMD1:2010	NOTE	Harmonized as EN 55016-2-3:2010/A1:2010.
CISPR 16-2-3:2010/AMD2:2014	NOTE	Harmonized as EN 55016-2-3:2010/A2:2014.

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>	<u>EN/HD</u>	<u>Year</u>
ISO 7637-3	2016	Road vehicles -- Electrical disturbances from conduction and coupling -- Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines	-	-
ISO 11452-4	2011	Road vehicles_ - Component test methods - for electrical disturbances from narrowband radiated electromagnetic energy_ - Part_4: Harness excitation methods	-	-
CISPR 16-1-1	2015	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus	-	-
CISPR 16-1-2	2014	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-2: Radio disturbance and immunity measuring apparatus - Coupling devices for conducted disturbance measurements	EN 55016-1-2	2014
CISPR 16-1-4	2010	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	EN 55016-1-4	2010
+ A1	2012		+ A1	2012
CISPR 16-2-1	2014	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	EN 55016-2-1	2014
SAE ARP 958.1	-	Electromagnetic Interference Measurement-Antennas; Standard Calibration Method		-

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE
COMITÉ INTERNATIONAL SPÉCIAL DES PERTURBATIONS RADIOÉLECTRIQUES

Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers

Véhicules, bateaux et moteurs à combustion interne – Caractéristiques des perturbations radioélectriques – Limites et méthodes de mesure pour la protection des récepteurs embarqués

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 33.100.10, 33.100.20

ISBN 978-2-8322-3726-7

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INTERNATIONAL ELECTROTECHNICAL COMMISSION
INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

**VEHICLES, BOATS AND INTERNAL COMBUSTION ENGINES –
RADIO DISTURBANCE CHARACTERISTICS –
LIMITS AND METHODS OF MEASUREMENT FOR
THE PROTECTION OF ON-BOARD RECEIVERS**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard CISPR 25 has been prepared by CISPR subcommittee D: Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices.

This fourth edition cancels and replaces the third edition published in 2008. This edition constitutes a technical revision.

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

- a) inclusion of charging mode for electric vehicles (EV) and plug-in electric vehicles (PHEV),
- b) the methods for chamber validation have been included,

- c) test methods for shielded power supply systems for high voltages for electric and hybrid electric vehicles have been included,
- d) overall improvement.

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

FDIS	Report on voting
CISPR/D/432/FDIS	CISPR/D/435/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.

The committee has decided that the contents of this publication 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

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