
**Električna in hibridna cestna vozila - Karakteristike občutljivosti za radijske motnje
- Mejne vrednosti in metode merjenja za zaščito zunanjih sprejemnikov pod 30
MHz**

Electric and hybrid road vehicles - Radio disturbance characteristics - Limits and
methods of measurement for the protection of off-board receivers below 30 MHz

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EUROPEAN STANDARD

EN IEC 55036

NORME EUROPÉENNE

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September 2020

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English Version

Electric and hybrid electric road vehicles - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers below 30 MHz
(CISPR 36:2020)

Véhicules routiers électriques et hybrides électriques -
Caractéristiques de perturbations radioélectriques - Limites
et méthodes de mesure pour la protection des récepteurs
extérieurs en dessous de 30 MHz
(CISPR 36:2020)

Elektro- und Hybrid-Straßenfahrzeuge -
Funkstöreigenschaften - Grenzwerte und Messverfahren
zum Schutz von außerhalb befindlichen Empfängern
unterhalb 30 MHz
(CISPR 36:2020)

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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 55036:2020 (E)**European foreword**

The text of document CIS/D/462/CDV, future edition 1 of CISPR 36, prepared by CISPR SC D "Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices" of CISPR "International special committee on radio interference" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 55036:2020.

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IEC 61851-21 (series)	NOTE	Harmonized as EN 61851-21 (series)
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CISPR 16-1-1	NOTE	Harmonized as EN IEC 55016-1-1
CISPR 16-4-2:2011	NOTE	Harmonized as EN 55016-4-2:2011 (not modified)
CISPR 16-4-2:2011/A1:2014	NOTE	Harmonized as EN 55016-4-2:2011/A1:2014 (not modified)
CISPR 16-4-2:2011/A2:2018	NOTE	Harmonized as EN 55016-4-2:2011/A2:2018 (not modified)
CISPR 25:2016	NOTE	Harmonized as EN 55025:2017 (not modified)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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NOTE 1 Where 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>
CISPR 16-1-1	2015	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus	-	-
CISPR 16-1-4	2019	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 IEC 55016-1-4	2019
CISPR 16-2-3	2016	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	EN 55016-2-3	2017

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



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

**Electric and hybrid electric road vehicles – Radio disturbance characteristics –
Limits and methods of measurement for the protection of off-board receivers
below 30 MHz**

**Véhicules routiers électriques et hybrides électriques – Caractéristiques de
perturbations radioélectriques – Limites et méthodes de mesure pour la
protection des récepteurs extérieurs en dessous de 30 MHz**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

**ELECTRIC AND HYBRID ELECTRIC ROAD VEHICLES –
RADIO DISTURBANCE CHARACTERISTICS –
LIMITS AND METHODS OF MEASUREMENT FOR
THE PROTECTION OF OFF-BOARD RECEIVERS BELOW 30 MHz**

FOREWORD

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International Standard CISPR 36 has been prepared by CISPR subcommittee D: Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices.

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CDV	Report on voting
CISPR/D/462/CDV	CISPR/D/464A/RVC

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

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

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

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INTRODUCTION

There is a specific need for documents to define acceptable low frequency performance of all electrical/electronic products. CISPR 36 has been developed to serve the electric and hybrid electric road vehicle and related industries with test methods and limits that provide satisfactory protection for radio reception.

Compliance with this document is sometimes insufficient for the protection of receivers used in the residential environment nearer than 10 m to the vehicle. It also sometimes does not provide sufficient protection for new types of radio transmissions.

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