

SLOVENSKI STANDARD

SIST EN 61000-6-2:2005

01-november-2005

Nadomešča:

SIST EN 61000-6-2:2002

SIST EN 61000-6-2:2002/IS1:2006

Elektromagnetna združljivost (EMC) – 6-2. del: Osnovni standardi – Odpornost za industrijska okolja (IEC 61000-6-2:2005) (vsebuje popravek AC:2005)

Electromagnetic compatibility (EMC) -- Part 6-2: Generic standards - Immunity for industrial environments

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Elektromagnetische Verträglichkeit (EMV) -- Teil 6-2: Fachgrundnormen - Störfestigkeit für Industriebereiche

[SIST EN 61000-6-2:2005](https://standards.itih.si/en/standards/sist/9b411d69-47ba-4c62-9e03-4b327581d6e0/sist-en-61000-6-2-2005)

Compatibilité électromagnétique (CEM) -- Partie 6-2: Normes génériques - Immunité pour les environnements industriels

Ta slovenski standard je istoveten z: EN 61000-6-2:2005

ICS:

33.100.20 Imunost Immunity

SIST EN 61000-6-2:2005 en

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EUROPEAN STANDARD

EN 61000-6-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2005

ICS 33.100.20

Supersedes EN 61000-6-2:2001
Incorporates Corrigendum September 2005

English version

**Electromagnetic compatibility (EMC)
Part 6-2: Generic standards –
Immunity for industrial environments
(IEC 61000-6-2:2005)**

Compatibilité électromagnétique (CEM)
Partie 6-2: Normes génériques –
Immunité pour les environnements
industriels
(CEI 61000-6-2:2005)

Elektromagnetische Verträglichkeit (EMV)
Teil 6-2: Fachgrundnormen –
Störfestigkeit für Industriebereiche
(IEC 61000-6-2:2005)

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This European Standard was approved by CENELEC on 2005-06-01. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 77/295/FDIS, future edition 2 of IEC 61000-6-2, prepared by IEC TC 77, Electromagnetic compatibility, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61000-6-2 on 2005-06-01.

This European Standard supersedes EN 61000-6-2:2001.

Specific technical changes have been introduced to Tables 1 to 4. The frequency range for tests according to EN 61000-4-3 has been extended above 1 GHz according to technologies used in this frequency area. The use of TEM waveguide testing according to EN 61000-4-20 has been introduced for certain products and the testing requirements according to EN 61000-4-11 have been amended significantly.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2006-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-06-01

This European Standard was prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and supports the essential requirements of Directives 89/336/EEC and 1999/5/EC. See Annex ZZ. (Standard Preview: <https://standards.iteh.ai/catalog/standards/sist/9b4ddd69-47ba-4e62-9c03-11e5f81b11>)

Annexes ZA and ZZ have been added by CENELEC.

<https://standards.iteh.ai/catalog/standards/sist/9b4ddd69-47ba-4e62-9c03-11e5f81b11>

The contents of the corrigendum of September 2005 have been included in this copy.

Endorsement notice

The text of the International Standard IEC 61000-6-2:2005 was approved by CENELEC as a European Standard without any modification.

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

IEC 61000-4-1	NOTE	Harmonized as EN 61000-4-1:2000 (not modified).
IEC 61000-4-20	NOTE	Harmonized as EN 61000-4-20:2003 (not modified).
CISPR 11	NOTE	Harmonized as EN 55011:1998 (modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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

NOTE Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-161	- ¹⁾	International Electrotechnical Vocabulary (IEV) Chapter 161: Electromagnetic compatibility	-	-
IEC 61000-4-2	- ¹⁾	Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	1995 ²⁾
IEC 61000-4-3	- ¹⁾	Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3	2002 ²⁾
IEC 61000-4-4	- ¹⁾	Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	2004 ²⁾
IEC 61000-4-5	- ¹⁾	Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5	1995 ²⁾
IEC 61000-4-6	- ¹⁾	Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	-	-
IEC 61000-4-8	- ¹⁾	Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	EN 61000-4-8	1993 ²⁾
IEC 61000-4-11	- ¹⁾	Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests	EN 61000-4-11	2004 ²⁾

1) Undated reference.

2) Valid edition at date of issue.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
CISPR 22 (mod)	- ¹⁾	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	EN 55022	- ³⁾

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³⁾ In preparation.

Annex ZZ
(informative)

Coverage of Essential Requirements of EC Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers the essential requirements as given in Article 4 b) of the EC directive 89/336/EEC and the essential requirements of Article 3.1(b) (immunity only) of the EC directive 1999/5/EC.

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive(s) concerned.

WARNING: Other requirements and other EC Directives may be applicable to the products falling within the scope of this standard.

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INTERNATIONAL STANDARD

IEC 61000-6-2

Second edition
2005-01

Electromagnetic compatibility (EMC) –

Part 6-2: Generic standards – Immunity for industrial environments

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTROMAGNETIC COMPATIBILITY (EMC) –**Part 6-2: Generic standards –
Immunity for industrial environments**

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 IEC 61000-6-2 has been prepared by IEC technical committee 77: Electromagnetic compatibility.

This second edition cancels and replaces the first edition published in 1999. It constitutes a technical revision. Specific technical changes have been introduced to Tables 1 to 4. The frequency range for tests according to IEC 61000-4-3 has been extended above 1 GHz according to technologies used in this frequency area. The use of TEM waveguide testing according to IEC 61000-4-20 has been introduced for certain products and the testing requirements according to IEC 61000-4-11 have been amended significantly.