
Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for industrial environments (IEC 61000-6-4:1997, modified)

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EUROPEAN STANDARD

EN 61000-6-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2001

ICS 33.100

Supersedes EN 50081-2:1993

English version

**Electromagnetic compatibility (EMC)
Part 6-4: Generic standards -
Emission standard for industrial environments
(IEC 61000-6-4:1997, modified)**

Compatibilité électromagnétique (CEM)
Partie 6-4: Normes génériques -
Norme sur l'émission pour les
environnements industriels
(CEI 61000-6-4:1997, modifiée)

Elektromagnetische Verträglichkeit (EMV)
Teil 6-4: Fachgrundnormen -
Fachgrundnorm Störaussendung -
Industriebereich
(IEC 61000-6-4:1997, modifiziert)

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This European Standard was approved by CENELEC on 2001-07-03. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, 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 the International Standard IEC 61000-6-4:1997, prepared by CISPR, International special committee on radio interference, together with the common modifications prepared by the Technical Committee CENELEC TC 210, Electromagnetic compatibility (EMC), was submitted to the formal vote and was approved by CENELEC as EN 61000-6-4 on 2001-07-03.

This European Standard supersedes EN 50081-2:1993.

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) 2002-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-07-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 61000-6-4:1997 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

1 Scope

Delete the note.

2 Normative references

Replace the text of clause 2 by:

NOTE Normative references to international publications are listed in annex ZA (normative).

Make the normative references **undated**.

4 Definitions

Replace "IEC 50(161)" by "IEC 60050-161".

9 Emission limits

In the 3rd paragraph **delete** "and in Table A.1".

In the note **delete** "IEC 1000-3-2 and IEC 1000-3-3".

Delete annex A.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter.

When there is an undated reference to a generic, product or product-family standard which has been listed in the OJEC, then either the latest edition or (if the date of cessation of presumption of conformity associated with the latest edition has not expired) the superseded edition may be applied. After the date of cessation of presumption of conformity, the latest edition shall be applied.

When there is an undated reference to a basic standard, then either the latest edition or (if the date of withdrawal of conflicting standards associated with the latest edition has not expired) the superseded edition may be applied. After the date of withdrawal, the latest edition shall be applied.

<u>Publication</u>	<u>Title</u>	<u>EN/HD</u>
IEC 60050-161	International Electrotechnical Vocabulary (IEV) - Chapter 161: Electromagnetic compatibility	-
IEC 61000-6-3	Electromagnetic compatibility (EMC) Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	EN 61000-6-3
CISPR 11	Industrial, scientific and medical (ISM) radio-frequency equipment – Radio disturbance characteristics – Limits and methods of measurement https://standards.iteh.ai/catalog/standards/sist/968c1c40-f977-4592-8d5f-7284134d1ee/sist-en-61000-6-4-2002	EN 55011
CISPR 14-1	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	EN 55014-1
CISPR 22	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	EN 55022

COMMISSION
ÉLECTROTECHNIQUE
INTERNATIONALE

CEI
IEC
61000-6-4

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

Première édition
First edition
1997-01

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

Compatibilité électromagnétique (CEM) –

Partie 6:
Normes génériques –
Section 4: Norme sur l'émission pour
les environnements industriels

Electromagnetic compatibility (EMC) –

Part 6:
Generic standards –
Section 4: Emission standard for
industrial environments

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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CONTENTS

	Page
FOREWORD.....	5
Clause	
1 Scope	7
2 Normative references	7
3 Objective	9
4 Definitions.....	9
5 Industrial locations	11
6 Conditions during measurement	11
7 Documentation for the purchaser/user	11
8 Applicability	13
9 Emission limits	13
Table 1 – Emission	15
Figure 1 – Examples of ports.....	9
Annex A	17

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INTERNATIONAL ELECTROTECHNICAL COMMISSION
INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

ELECTROMAGNETIC COMPATIBILITY (EMC) –

**Part 6: Generic standards –
Section 4: Emission standard
for industrial environments**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61000-6-4 has been prepared by CISPR, International special committee on radio interference.

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This standard is based on document EN 50081-2: 1993. It was drawn up by CENELEC technical committee 110¹⁾: EMC, and has been submitted to the National Committees for vote under the Fast Track Procedure as the following documents:

FDIS	Report on voting
CIS/1083/FDIS	CIS/1086/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.

Annex A is for information only.

¹⁾ Has been replaced by technical committee 210: EMC.