



SLOVENSKI STANDARD

SIST EN 61000-4-24:1997

01-november-1997

Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 24: Test methods for protective devices for HEMP conducted disturbances - Basic EMC publication (IEC 61000-4-24:1997)

Electromagnetic compatibility (EMC) -- Part 4: Testing and measurement techniques -- Section 24: Test methods for protective devices for HEMP conducted disturbance

Elektromagnetische Verträglichkeit (EMV) -- Teil 4: Prüf- und Meßverfahren -- Hauptabschnitt 24: Prüfverfahren für Einrichtungen zum Schutz gegen leitungsgeführte HEMP-Störgrößen

Compatibilité électromagnétique (CEM) -- Partie 4: Techniques d'essai et de mesure -- Section 24: Méthodes d'essais pour les dispositifs de protection pour perturbations conduites IEMN-HA

Ta slovenski standard je istoveten z: EN 61000-4-24:1997

ICS:

33.100.20 Imunost Immunity

SIST EN 61000-4-24:1997 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61000-4-24

May 1997

ICS 33.100

Descriptors: Environments, pulses, electromagnetism, explosions, nuclear reaction, nuclear energy, electromagnetic immunity, electromagnetic interference, safety devices

English version

**Electromagnetic compatibility (EMC)
Part 4: Testing and measurement techniques
Section 24: Test methods for protective devices for
HEMP conducted disturbance
Basic EMC publication
(IEC 61000-4-24:1997)**

Compatibilité électromagnétique (CEM)

Partie 4: Techniques d'essai et de mesure

Section 24: Méthodes d'essais pour les dispositifs de protection pour

perturbations conduites IEMN-HA

Publication fondamentale en CEM
(CEI 61000-4-24:1997)

Elektromagnetische

Verträglichkeit (EMV)

Teil 4: Prüf- und Meßverfahren

Hauptabschnitt 24: Prüfverfahren für

Einrichtungen zum Schutz gegen

leitungsgeführte HEMP-Störgrößen

EMV Grundnorm

(IEC 61000-4-24:1997)

This European Standard was approved by CENELEC on 1997-03-11. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, 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 document 77C/37/FDIS, future edition 1 of IEC 61000-4-24, prepared by SC 77C, Immunity to high altitude nuclear electromagnetic pulse (HEMP), of IEC TC 77, Electromagnetic compatibility, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61000-4-24 on 1997-03-11.

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) 1997-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1997-12-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA is normative and annex A is informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61000-4-24:1997 was approved by CENELEC as a European Standard without any modification.

In the official version, for annex A Bibliography, the following note has to be added for the standard indicated:

IEC 1000-5-5 NOTE: Harmonized, as EN 61000-5-5:1996 (not modified).

Annex ZA (normative)**Normative references to international publications
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When 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 50(161)	1990	International Electrotechnical Vocabulary (IEV) Chapter 161: Electromagnetic compatibility	-	-

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

61000-4-24

Première édition
First edition
1997-02

Compatibilité électromagnétique (CEM) –

Partie 4:

Techniques d'essai et de mesure –

**Section 24: Méthodes d'essais pour les dispositifs
de protection pour perturbations conduites IEMN-HA**

Publication fondamentale en CEM

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Electromagnetic compatibility (EMC) –

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Part 4:

Testing and measurement techniques –

**Section 24: Test methods for protective devices
for HEMP conducted disturbance**

Basic EMC publication

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

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CONTENTS

	Page
FOREWORD	5
INTRODUCTION	7
Clause	
1 Scope	9
2 Normative references	9
3 Definitions	9
4 Test methods for protective devices for conducted disturbance	9
4.1 General	9
4.2 Test set-up	11
4.3 Pulse generator	11
4.4 Launching line	13
4.5 Test fixture	13
4.5.1 General	13
4.5.2 Type A fixtures	13
4.5.3 Type B fixtures	13
4.6 Termination	15
4.7 Oscilloscope	17
4.8 Test procedure	17
4.8.1 Adjustment of the pulse generator	17
4.8.2 Verification procedures	17
4.8.3 Test	19
4.8.4 Final examination of the DUT	19
4.9 Referring to this standard	19
Annex A – Bibliography	21

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTROMAGNETIC COMPATIBILITY (EMC) –
Part 4: Testing and measurement techniques –
Section 24: Test methods for protective devices
for HEMP conducted disturbance
Basic EMC publication

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.
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International Standard IEC 61000-4-24 has been prepared by subcommittee 77C: Immunity to high-altitude nuclear electromagnetic pulse (HEMP), of IEC technical committee 77: Electromagnetic compatibility.

It forms section 24 of part 4 of IEC 61000. It has the status of a basic EMC publication in accordance with IEC Guide 107.

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

FDIS	Report on voting
77C/37/FDIS	77C/40/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.