



**NSAI**  
Standards

Irish Standard  
I.S. EN 61000-2-4:2002

# Electromagnetic compatibility (EMC) - Part 2-4: Environment - Compatibility levels in industrial plants for low-frequency conducted disturbances

**I.S. EN 61000-2-4:2002**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

*NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.*

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NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

## National Foreword

I.S. EN 61000-2-4:2002 is the adopted Irish version of the European Document EN 61000-2-4:2002, Electromagnetic compatibility (EMC) - Part 2-4: Environment - Compatibility levels in industrial plants for low-frequency conducted disturbances

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

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EUROPEAN STANDARD

**EN 61000-2-4**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2002

ICS 33.100.10; 33.100.20

Supersedes EN 61000-2-4:1994

English version

**Electromagnetic compatibility (EMC)  
Part 2-4: Environment -  
Compatibility levels in industrial plants  
for low-frequency conducted disturbances  
(IEC 61000-2-4:2002)**

Compatibilité électromagnétique (CEM)  
Partie 2-4: Environnement -  
Niveaux de compatibilité  
dans les installations industrielles  
pour les perturbations conduites  
à basse fréquence  
(CEI 61000-2-4:2002)

Elektromagnetische Verträglichkeit (EMV)  
Teil 2-4: Umgebungsbedingungen -  
Verträglichkeitspegel für niederfrequente  
leitungsgeführte Störgrößen  
in Industrieanlagen  
(IEC 61000-2-4:2002)

This European Standard was approved by CENELEC on 2002-09-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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 77A/378/FDIS, future edition 2 of IEC 61000-2-4, prepared by SC 77A, Low frequency phenomena, of IEC TC 77, Electromagnetic compatibility, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61000-2-4 on 2002-09-01.

This European Standard supersedes EN 61000-2-4:1994.

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) 2003-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2005-09-01

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 annexes A, B and C are informative.

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61000-2-4:2002 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 60038      | NOTE | Harmonized as HD 472 S1:1989 (modified).         |
| IEC 61000-4-7  | NOTE | Harmonized as EN 61000-4-7:1993 (not modified).  |
| IEC 61000-4-15 | NOTE | Harmonized as EN 61000-4-15:1998 (not modified). |

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