



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 61000-4-17:2000**

ICS 33.100.20

**ELECTROMAGNETIC COMPATIBILITY (EMC)  
PART 4-17: TESTING AND MEASUREMENT  
TECHNIQUES RIPPLE ON D.C. INPUT  
POWER PORT IMMUNITY TEST  
(IEC 61000-4-17:1999)**

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*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on:  
May 12, 2000*

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EUROPEAN STANDARD

**EN 61000-4-17/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2004

ICS 33.100.20

English version

**Electromagnetic compatibility (EMC)**  
**Part 4-17: Testing and measurement techniques –**  
**Ripple on d.c. input power port immunity test**  
(IEC 61000-4-17:1999/A1:2001)

Compatibilité électromagnétique (CEM)  
Partie 4-17: Techniques d'essai  
et de mesure –  
Essai d'immunité à l'ondulation résiduelle  
sur entrée de puissance à courant continu  
(CEI 61000-4-17:1999/A1:2001)

Elektromagnetische Verträglichkeit (EMV)  
Teil 4-17: Prüf- und Meßverfahren -  
Prüfung der Störfestigkeit gegen  
Wechselanteile der Spannung  
an Gleichstrom-Netzanschlüssen  
(IEC 61000-4-17:1999/A1:2001)

This amendment A1 modifies the European Standard EN 61000-4-17:1999; it was approved by CENELEC on 2004-05-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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 amendment 1:2001 to the International Standard IEC 61000-4-17:1999, prepared by SC 77B, High frequency phenomena, of IEC TC 77, Electromagnetic compatibility, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 61000-4-17:1999 on 2004-05-01 without any modification.

The following dates were fixed:

- latest date by which the amendment has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2005-05-01
- latest date by which the national standards conflicting  
with the amendment have to be withdrawn (dow) 2007-05-01

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## Endorsement notice

The text of amendment 1:2001 to the International Standard IEC 61000-4-17:1999 was approved by CENELEC as an amendment to the European Standard without any modification.

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**NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD**

**CEI  
IEC**

**61000-4-17**

Première édition  
First edition  
1999-06

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PUBLICATION FONDAMENTALE EN CEM  
BASIC EMC PUBLICATION

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**Compatibilité électromagnétique (CEM) –**

**Partie 4-17:**

**Techniques d'essai et de mesure –**

**Essai d'immunité à l'ondulation résiduelle  
sur entrée de puissance à courant continu**

**Electromagnetic compatibility (EMC) –**

**Part 4-17:**

**Testing and measurement techniques –**

**Ripple on d.c. input power port immunity test**



Numéro de référence  
Reference number  
CEI/IEC 61000-4-17:1999



## Numéros des publications

Depuis le 1<sup>er</sup> janvier 1997, les publications de la CEI sont numérotées à partir de 60000.

## Publications consolidées

Les versions consolidées de certaines publications de la CEI incorporant les amendements sont disponibles. Par exemple, les numéros d'édition 1.0, 1.1 et 1.2 indiquent respectivement la publication de base, la publication de base incorporant l'amendement 1, et la publication de base incorporant les amendements 1 et 2.

## Validité de la présente publication

Le contenu technique des publications de la CEI est constamment revu par la CEI afin qu'il reflète l'état actuel de la technique.

Des renseignements relatifs à la date de reconfirmation de la publication sont disponibles dans le Catalogue de la CEI.

Les renseignements relatifs à des questions à l'étude et des travaux en cours entrepris par le comité technique qui a établi cette publication, ainsi que la liste des publications établies, se trouvent dans les documents ci-dessous:

- **«Site web» de la CEI\***
- **Catalogue des publications de la CEI**  
Publié annuellement et mis à jour régulièrement  
(Catalogue en ligne)\*
- **Bulletin de la CEI**  
Disponible à la fois au «site web» de la CEI\* et comme périodique imprimé

## Terminologie, symboles graphiques et littéraux

En ce qui concerne la terminologie générale, le lecteur se reportera à la CEI 60050: *Vocabulaire Electrotechnique International* (VEI).

Pour les symboles graphiques, les symboles littéraux et les signes d'usage général approuvés par la CEI, le lecteur consultera la CEI 60027: *Symboles littéraux à utiliser en électrotechnique*, la CEI 60417: *Symboles graphiques utilisables sur le matériel. Index, relevé et compilation des feuilles individuelles*, et la CEI 60617: *Symboles graphiques pour schémas*.

## Numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series

## Consolidated publications

Consolidated versions of some IEC publications including amendments are available. For example, edition numbers 1.0, 1.1 and 1.2 refer, respectively, to the base publication, the base publication incorporating amendment 1 and the base publication incorporating amendments 1 and 2

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Information relating to the date of the reconfirmation of the publication is available in the IEC catalogue

Information on the subjects under consideration and work in progress undertaken by the technical committee which has prepared this publication, as well as the list of publications issued, is to be found at the following IEC sources.

- **IEC web site\***
- **Catalogue of IEC publications**  
Published yearly with regular updates  
(On-line catalogue)\*
- **IEC Bulletin**  
Available both at the IEC web site\* and as a printed periodical

## Terminology, graphical and letter symbols

For general terminology, readers are referred to IEC 60050 *International Electrotechnical Vocabulary* (IEV)

For graphical symbols, and letter symbols and signs approved by the IEC for general use, readers are referred to publications IEC 60027 *Letter symbols to be used in electrical technology*, IEC 60417 *Graphical symbols for use on equipment. Index, survey and compilation of the single sheets* and IEC 60617 *Graphical symbols for diagrams*.

\* Voir adresse «site web» sur la page de titre.

\* See web site address on title page.



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