



Institut luxembourgeois de la normalisation  
de l'accréditation, de la sécurité et qualité  
des produits et services

**ILNAS-EN 61000-6-3:2007**

**Electromagnetic compatibility (EMC) -  
Part 6-3: Generic standards - Emission  
standard for residential, commercial  
and light-industrial environments**

Elektromagnetische Verträglichkeit (EMV)

- Teil 6-3: Fachgrundnormen -

Störaussendung für Wohnbereich,  
Geschäfts- und Gewerbebereiche sowie

Compatibilité électromagnétique (CEM) -

Partie 6-3: Normes génériques - Norme  
sur l'émission pour les environnements  
résidentiels, commerciaux et de

**01/2007**



## National Foreword

This European Standard EN 61000-6-3:2007 was adopted as Luxembourgish Standard ILNAS-EN 61000-6-3:2007.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

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English version

**Electromagnetic compatibility (EMC) -  
Part 6-3: Generic standards -  
Emission standard for residential, commercial  
and light-industrial environments  
(IEC 61000-6-3:2006)**

Compatibilité électromagnétique (CEM) -  
Partie 6-3: Normes génériques -  
Norme sur l'émission  
pour les environnements résidentiels,  
commerciaux et de l'industrie légère  
(CEI 61000-6-3:2006)

Elektromagnetische Verträglichkeit  
(EMV) -  
Teil 6-3: Fachgrundnormen -  
Störaussendung für Wohnbereich,  
Geschäfts- und Gewerbebereiche  
sowie Kleinbetriebe  
(IEC 61000-6-3:2006)

This European Standard was approved by CENELEC on 2006-12-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 CISPR/H/121/FDIS, future edition 2 of IEC 61000-6-3, prepared by CISPR SC H, Limits for the protection of radio services, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61000-6-3 on 2006-12-01.

This European Standard supersedes EN 61000-6-3:2001 + A11:2004.

The major changes in EN 61000-6-3:2007 are the inclusion of a clause on tests for equipment in series production, a new clause on measurement uncertainty and the inclusion of requirements on dc power ports and telecommunications ports. The informative annex has been deleted.

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) 2007-09-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2009-12-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directives EMC (89/336/EEC), EMC (2004/108/EC) and RTTED (1999/5/EC). See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61000-6-3:2006 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 61000-6-1	NOTE Harmonized as EN 61000-6-1:2007 (not modified).
IEC 61000-6-4	NOTE Harmonized as EN 61000-6-4:2007 (not modified).

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**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 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 61000-3-2	- <sup>1)</sup>	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)	EN 61000-3-2	2006 <sup>2)</sup>
IEC 61000-3-3	- <sup>1)</sup>	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subject to conditional connection	EN 61000-3-3 + corr. July	1995 <sup>2)</sup> 1997
IEC 61000-3-11	- <sup>1)</sup>	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current $\leq 75$ A and subject to conditional connection	EN 61000-3-11	2000 <sup>2)</sup>
IEC 61000-3-12	- <sup>1)</sup>	Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current $> 16$ A and $\leq 75$ A per phase	EN 61000-3-12	2005 <sup>2)</sup>
CISPR 14-1	- <sup>1)</sup>	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	EN 55014-1	2006 <sup>2)</sup>
CISPR 16-1-2	2003	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-2: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Conducted disturbances	EN 55016-1-2	2004
CISPR 16-2-1	2003	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	EN 55016-2-1	2004

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
CISPR 16-2-3	- <sup>1)</sup>	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	EN 55016-2-3	2006 <sup>2)</sup>
CISPR 16-4-2	- <sup>1)</sup>	Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modelling - Uncertainty in EMC measurements	EN 55016-4-2	2004 <sup>2)</sup>
CISPR 22	- <sup>1)</sup>	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	EN 55022	2006 <sup>2)</sup>

## **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(a) of the EC Directive 89/336/EEC and Annex I Article 1(a) of the EC Directive 2004/108/EC, and the essential requirements of Article 3.1(b) (emission only) of the EC Directive 1999/5/EC.

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directives concerned.

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