



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61000-5-5:1997

ICS 33.100

**ELECTROMAGNETIC COMPATIBILITY (EMC)  
- PART 5: INSTALLATION AND MITIGATION  
GUIDELINES SECTION 5: SPECIFICATION  
OF PROTECTIVE DEVICES FOR HEMP  
CONDUCTED DISTURBANCE BASIC EMC  
PUBLICATION (IEC 1000-5-5:1996)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann



## DECLARATION

OF

SPECIFICATION

ENTITLED

ELECTROMAGNETIC COMPATIBILITY (EMC) - PART 5: INSTALLATION AND  
MITIGATION GUIDELINES SECTION 5: SPECIFICATION OF PROTECTIVE DEVICES FOR  
HEMP CONDUCTED DISTURBANCE BASIC EMC PUBLICATION (IEC 1000-5-5:1996)

AS

THE IRISH STANDARD SPECIFICATION FOR

ELECTROMAGNETIC COMPATIBILITY (EMC) - PART 5: INSTALLATION AND  
MITIGATION GUIDELINES SECTION 5: SPECIFICATION OF PROTECTIVE DEVICES FOR  
HEMP CONDUCTED DISTURBANCE BASIC EMC PUBLICATION (IEC 1000-5-5:1996)

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Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 ( No. 20 of 1961 ) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification ( Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines Section 5: Specification of protective devices for HEMP conducted disturbance Basic EMC publication (IEC 1000-5-5:1996)) Declaration, 1997.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines Section 5: Specification of protective devices for HEMP conducted disturbance Basic EMC publication (IEC 1000-5-5:1996). The Schedule comprises the text of EN 61000-5-5:1996.

(2) The said standard specification may be cited as Irish Standard/EN 61000-5-5 :1997 or as I.S./EN 61000-5-5:1997.



**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 61000-5-5**

May 1996

ICS 33.100

Descriptors: Environments, pulses, electromagnetism, explosions, nuclear reactivity, nuclear energy, electromagnetic compatibility, electromagnetic interference, protection devices

English version

**Electromagnetic compatibility (EMC)**  
**Part 5: Installation and mitigation guidelines**  
**Section 5: Specification of protective devices for**  
**HEMP conducted disturbance**  
**Basic EMC Publication**  
**(IEC 1000-5-5:1996)**

Compatibilité électromagnétique (CEM)  
Partie 5: Guides d'installation et  
d'atténuation  
Section 5: Spécification des dispositifs  
de protection pour perturbations  
conduites IEMN-HA  
Publication fondamentale en CEM  
(CEI 1000-5-5:1996)

Elektromagnetische  
Verträglichkeit (EMV)  
Teil 5: Installationsrichtlinien  
und Abhilfemaßnahmen  
Hauptabschnitt 5: Festlegung  
von Schutzeinrichtungen gegen  
leitungsgeführte HEMP-Störgrößen  
EMV-Grundnorm  
(IEC 1000-5-5:1996)

This European Standard was approved by CENELEC on 1996-03-05. 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/29/FDIS, future edition 1 of IEC 1000-5-5, 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 61000-5-5 on 1996-03-05.

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) 1996-12-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1996-12-01

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 annexes A, B, C, D and E are informative.

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 1000-5-5:1996 was approved by CENELEC as a European Standard without any modification.

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