



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 62464-1:2007**

ICS 11.040.50

**MAGNETIC RESONANCE EQUIPMENT FOR  
MEDICAL IMAGING -- PART 1:  
DETERMINATION OF ESSENTIAL IMAGE  
QUALITY PARAMETERS (IEC 62464-1:2007  
(EQV))**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 62464-1**

May 2007

ICS 11.040.50

English version

**Magnetic resonance equipment for medical imaging -  
Part 1: Determination of essential image quality parameters  
(IEC 62464-1:2007)**

Appareils à résonance magnétique  
pour imagerie médicale -  
Partie 1: Détermination des principaux  
paramètres de qualité d'image  
(CEI 62464-1:2007)

Magnetresonanzgeräte  
für die medizinische Bildgebung -  
Teil 1: Bestimmung der wesentlichen  
Bildqualitätsparameter  
(IEC 62464-1:2007)

This European Standard was approved by CENELEC on 2007-04-01. 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 62B/641/FDIS, future edition 1 of IEC 62464-1, prepared by SC 62B, Diagnostic imaging equipment, of IEC TC 62, Electrical equipment in medical practice, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62464-1 on 2007-04-01.

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) 2008-01-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2010-04-01

In this standard, the following print types are used:

- requirements, compliance with which can be tested, and definitions: roman type;
- explanations, advice, notes, general statements and exceptions: smaller roman type;
- test specifications: *italic type*;
- terms defined in Clause 3 of EN 60601-1:2006, in this standard or in IEC/TR 60788: SMALL CAPITALS.

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 62464-1:2007 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 60601-1	NOTE Harmonized as EN 60601-1:2006 (not modified).
IEC 60601-1-2	NOTE Harmonized as EN 60601-1-2:2001 (not modified).
IEC 60601-2-33	NOTE Harmonized as EN 60601-2-33:2002 (not modified).
IEC 61223-2-6	NOTE Harmonized as EN 61223-2-6:2007 (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/TR 60788	- <sup>1)</sup>	Medical electrical equipment - Glossary of defined terms	-	-

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



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