

BS EN 62494-1:2008



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Medical electrical equipment — Exposure index of digital X-ray imaging systems —

Part 1: Definitions and requirements for general
radiography

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This British Standard is the UK implementation of EN 62494-1:2008. It is identical to IEC 62494-1:2008.

The UK participation in its preparation was entrusted by Technical Committee CH/62, Electromedical equipment in medical practice, to Subcommittee CH/62/2, Diagnostic imaging equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

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EUROPEAN STANDARD
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English version

**Medical electrical equipment -
Exposure index of digital X-ray imaging systems -
Part 1: Definitions and requirements for general radiography
(IEC 62494-1:2008)**

Appareils électromédicaux -
Indice d'exposition des systèmes
d'imagerie numérique à rayonnement X -
Partie 1: Définitions et exigences
pour la radiographie générale
(CEI 62494-1:2008)

Medizinische elektrische Geräte -
Dosisindikator digitaler
Röntgenbildsysteme -
Teil 1: Definitionen und Anforderungen
für die allgemeine Radiographie
(IEC 62494-1:2008)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 62B/680/CDV, future edition 1 of IEC 62494-1, 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 62494-1 on 2008-10-01.

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) 2009-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2011-10-01

In this standard, the following print types are used:

- requirements, compliance with which can be tested, and definitions: in roman type;
- explanations, advice, notes, general statements, exceptions and references: in smaller type;
- TERMS DEFINED IN CLAUSE 3 OF THIS STANDARD, IN EN 60601-1 OR IN IEC/TR 60788, AS REFERENCED IN THE INDEX OF DEFINED TERMS: SMALL CAPITALS.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62494-1:2008 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 60601-2-43	NOTE Harmonized as EN 60601-2-43:2000 (not modified).
IEC 62220-1	NOTE Harmonized as EN 62220-1:2004 (not modified).
IEC 62220-1-2	NOTE Harmonized as EN 62220-1-2:2007 (not modified).

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	2004	Medical electrical equipment - Glossary of defined terms	-	-

CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	7
4 Requirements	9
4.1 Creation of ORIGINAL DATA.....	9
4.2 Determination of the RELEVANT IMAGE REGION and the VALUE OF INTEREST	9
4.3 Requirements for the EXPOSURE INDEX	10
4.4 Calibration of the EXPOSURE INDEX	10
4.5 Determination of the CALIBRATION FUNCTION	11
4.6 Determination of the INVERSE CALIBRATION FUNCTION	11
4.7 Requirements for the DEVIATION INDEX.....	11
Annex A (informative) Details on the rationale, properties and use of the EXPOSURE INDEX	13
Annex B (informative) Details on the rationale, properties and use of the DEVIATION INDEX	17
Annex C (normative) Beam conditions to be used for calibration.....	18
Bibliography.....	19
Terminology – Index of defined terms	20
Figure A.1 – Example of an ORIGINAL DATA radiograph with an example of the RELEVANT IMAGE REGION outlined	14
Figure A.2 – Histogram of the ORIGINAL DATA for the radiograph shown in Figure A.1	15
Figure A.3 – Relative IMAGE RECEPTOR AIR KERMA required to produce a fixed detector response for the four x-ray beam qualities defined in ISO 9236-1	16

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MEDICAL ELECTRICAL EQUIPMENT ±
EXPOSURE INDEX OF DIGITAL X-RAY IMAGING SYSTEMS ±****Part 1: Definitions and requirements for general radiography**

FOREWORD

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International Standard IEC 62494-1 has been prepared by subcommittee 62B: Diagnostic imaging equipment, of IEC technical committee 62: Electrical equipment in medical practice.

The text of this standard is based on the following documents:

Enquiry draft	Report on voting
62B/680/CDV	62B/703/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

In this standard, the following print types are used:

- requirements, compliance with which can be tested, and definitions: in roman type;
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- TERMS DEFINED IN CLAUSE 3 OF THIS STANDARD, IN IEC 60601-1 OR IN IEC 60788, AS REFERENCED IN THE INDEX OF DEFINED TERMS: SMALL CAPITALS.

A list of all parts of the IEC 62494 series, published under the general title *Medical electrical equipment ± Exposure index of digital X-ray imaging systems*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.