

# SLOVENSKI STANDARD

## SIST EN 61331-3:2014

01-december-2014

Nadomešča:  
SIST EN 61331-3:1999

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**Sredstva za zaščito pred rentgenskim sevanjem pri medicinski diagnostiki - 3. del:  
Zaščitno oblačilo, zaščita za oči in zaščitni predpasnik za pacienta (IEC 61331-3:2014)**

Protective devices against diagnostic medical X-radiation - Part 3: Protective clothing, eyewear and protective patient shields

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Dispositifs de protection radiologique contre les rayonnements X pour diagnostic médical - Partie 3: Vêtements et lunettes de protection radiologique, écrans de protection pour le patient

**Ta slovenski standard je istoveten z: EN 61331-3:2014**

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**ICS:**

11.040.50	Radiografska oprema	Radiographic equipment
13.280	Varstvo pred sevanjem	Radiation protection
13.340.10	Varovalna obleka	Protective clothing

**SIST EN 61331-3:2014** en

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EUROPEAN STANDARD

**EN 61331-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2014

ICS

Supersedes EN 61331-3:1999

English Version

**Protective devices against diagnostic medical X-radiation - Part  
3: Protective clothing, eyewear and protective patient shields  
(IEC 61331-3:2014)**

Dispositifs de protection radiologique contre les  
rayonnements X pour diagnostic médical - Partie 3:  
Vêtements et lunettes de protection radiologique, écrans de  
protection pour le patient  
(CEI 61331-3:2014)

Strahlenschutz in der medizinischen Röntgendiagnostik -  
Teil 3: Schutzkleidung, Augenschutz und Abschirmungen  
für Patienten  
(IEC 61331-3:2014)

This European Standard was approved by CENELEC on 2014-06-11. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Foreword

The text of document 62B/938/FDIS, future edition 2 of IEC 61331-3, 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 approved by CENELEC as EN 61331-3:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-04-24
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-06-11

This document supersedes EN 61331-3:2002.

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## Endorsement notice

The text of the International Standard IEC 61331-3:2014 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60601-1 AMD 1	2012	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance; Amendment_1	-	-
IEC 60601-1	2005	Medical electrical equipment -- Part 1: General requirements for basic safety and essential performance	EN 60601-1	2006
			+EN 60601-1:2006/corrigendum Mar. 2010	2010
			+AC	2014
			+A11	2011
IEC 60601-1-3	2008	Medical electrical equipment -- Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment	EN 60601-1-3	2008
			+EN 60601-1-3:2008/corrigendum Mar. 2010	2010
+A1	2013		+A1	2013
			+AC	2014
IEC 61331-1	2014	Protective devices against diagnostic medical X-radiation -- Part 1: Determination of attenuation properties of materials	EN 61331-1	2014
IEC/TR 60788	2004	Medical electrical equipment - Glossary of defined terms	-	-

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IEC 61331-3

Edition 2.0 2014-05

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

Protective devices against diagnostic medical X-radiation –  
Part 3: Protective clothing, eyewear and protective patient shields  
(standards.iteh.ai)

Dispositifs de protection radiologique contre les rayonnements X pour  
diagnostic médical –  
Partie 3: Vêtements et lunettes de protection radiologique, écrans de protection  
pour le patient

INTERNATIONAL  
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ELECTROTECHNIQUE  
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## CONTENTS

FOREWORD.....	5
1 Scope.....	7
2 Normative references.....	7
3 Terms and definitions.....	8
4 General .....	9
4.1 ACCOMPANYING DOCUMENTS.....	9
4.2 Language of the ACCOMPANYING DOCUMENTS .....	9
4.3 General requirement on marking .....	9
4.4 Design .....	9
4.4.1 PROTECTIVE DEVICES for the protection of OPERATORS .....	9
4.4.2 PROTECTIVE DEVICES for the protection of the PATIENT .....	10
4.5 Materials .....	10
4.5.1 Materials effecting ATTENUATION .....	10
4.5.2 Cleaning .....	10
4.5.3 Touchable surfaces.....	10
5 PROTECTIVE APRONS and THYROID COLLARS .....	10
5.1 General.....	10
5.2 Design .....	10
5.3 Materials .....	11
5.4 Dimensions .....	11
5.5 Marking.....	12
5.6 Statement of compliance .....	12
6 PROTECTIVE GLOVES .....	13
6.1 General.....	13
6.2 Design .....	13
6.3 Materials .....	13
6.4 Dimensions .....	13
6.5 Marking.....	14
6.6 Statement of compliance .....	15
7 PROTECTIVE MITTENS.....	15
7.1 General.....	15
7.2 Design .....	15
7.3 Materials .....	15
7.4 Dimensions .....	15
7.5 Marking.....	16
7.6 Statement of compliance .....	16
8 PROTECTIVE GONAD APRONS .....	17
8.1 General.....	17
8.2 Design .....	17
8.3 Materials .....	17
8.4 Dimensions .....	17
8.5 Marking.....	17
8.6 Statement of compliance .....	18



9	SCROTUM SHIELDS .....	18
9.1	General .....	18
9.2	Design .....	18
9.3	Materials .....	19
9.4	Dimensions .....	19
9.5	Marking .....	19
9.6	Statement of compliance .....	19
10	OVARY SHIELDS .....	19
10.1	General .....	19
10.2	Design .....	20
10.3	Materials .....	20
10.4	Dimensions .....	20
10.5	Marking .....	20
10.6	Statement of compliance .....	20
11	SHADOW SHIELDS .....	21
11.1	General .....	21
11.2	Design .....	21
11.3	Materials .....	21
11.4	Dimensions .....	21
11.5	Marking .....	21
11.6	Statement of compliance .....	21
12	PROTECTIVE APRONS FOR DENTAL USE .....	22
12.1	General .....	22
12.2	Design .....	22
12.3	Materials .....	22
12.4	Dimensions .....	22
12.5	Marking .....	23
12.6	Statement of compliance .....	23
13	PROTECTIVE EYEWEAR .....	23
13.1	General .....	23
13.2	Design .....	23
13.3	Materials .....	24
13.4	Marking .....	24
13.5	Statement of compliance .....	24
	Bibliography .....	25
	Index of defined terms used in this standard .....	26
	Figure 1 – Inside dimensions of PROTECTIVE GLOVES .....	14
	Figure 2 – Inside minimum dimensions of PROTECTIVE MITTENS .....	16
	Table 1 – Information and examples for marking PROTECTIVE APRONS and THYROID COLLARS .....	12
	Table 2 – Standard sizes of PROTECTIVE GLOVES .....	14
	Table 3 – Information and examples for marking PROTECTIVE GLOVES .....	14
	Table 4 – Information and examples for marking PROTECTIVE MITTENS .....	16
	Table 5 – Standard sizes of PROTECTIVE GONAD APRONS .....	17

Table 6 – Information and examples for marking PROTECTIVE GONAD APRONS.....	18
Table 7 – Information and examples for marking SCROTUM SHIELDS .....	19
Table 8 – Information and examples for marking OVARY SHIELDS .....	20
Table 9 – Information and examples for marking SHADOW SHIELDS .....	21
Table 10 – Standard sizes of PROTECTIVE DENTAL APRONS .....	22
Table 11 – Information and examples for marking PROTECTIVE APRONS.....	23
Table 12 – Information and examples for marking PROTECTIVE EYEWEAR .....	24

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**PROTECTIVE DEVICES AGAINST  
DIAGNOSTIC MEDICAL X-RADIATION –**
**Part 3: Protective clothing, eyewear and protective patient shields****FOREWORD**

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International Standard IEC 61331-3 has been prepared by subcommittee 62B: Diagnostic imaging equipment, of IEC technical committee 62: Electrical equipment in medical practice.

This second edition cancels and replaces the first edition of IEC 61331-3, published in 1998. It constitutes a technical revision. This second edition has been adapted to apply to the present technology. It includes a requirement to use a better method for the determination of attenuation properties over a broader and more clinically relevant range of RADIATION QUALITIES appropriate to the use of the devices. It also covers three additional protective devices, THYROID COLLARS, PROTECTIVE EYEWEAR and PROTECTIVE APRONS FOR DENTAL USE.

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

FDIS	Report on voting
62B/938/FDIS	62B/944/RVD

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 and definitions: roman type;
- informative material appearing outside of tables, such as notes, examples and references: in smaller type. Normative text of tables is also in a smaller type;
- TERMS DEFINED IN CLAUSE 3 OF THIS STANDARD OR AS NOTED: SMALL CAPS.

The verbal forms used in this standard conform to usage described in Annex H of the ISO/IEC Directives, Part 2. For the purposes of this standard, the auxiliary verb:

- “shall” means that compliance with a requirement or a test is mandatory for compliance with this standard;
- “should” means that compliance with a requirement or a test is recommended but is not mandatory for compliance with this standard;
- “may” is used to describe a permissible way to achieve compliance with a requirement or test.

SIST EN 61331-3:2014

A list of all parts of the IEC 61331 series, published under the general title *Protective devices against diagnostic medical X-radiation*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability 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.