



**SLOVENSKI STANDARD**  
**SIST EN 62534:2016**

**01-marec-2016**

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**Instrumenti za zaščito pred sevanjem - Zelo občutljivi ročni instrumenti za zaznavanje nevtronskega sevanja radioaktivnega materiala**

Radiation protection instrumentation - Highly sensitive hand-held instruments for neutron detection of radioactive material

Strahlenschutz-Messgeräte - Hochempfindliche Handgeräte zur Detektion von Neutronenstrahlung emittierendem radioaktivem Material

Instrumentation pour la radioprotection - Instruments portables de haute sensibilité pour la détection neutronique de matières radioactives

SIST EN 62534:2016  
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**Ta slovenski standard je istoveten z: EN 62534:2015**

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**ICS:**

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Varstvo pred sevanjem

Radiation protection

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**en**

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EUROPEAN STANDARD

**EN 62534**

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EUROPÄISCHE NORM

November 2015

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English Version

**Radiation protection instrumentation - Highly sensitive hand-held  
instruments for neutron detection of radioactive material  
(IEC 62534:2010)**

Instrumentation pour la radioprotection - Instruments  
portables de haute sensibilité pour la détection neutronique  
de matières radioactives  
(IEC 62534:2010)

Strahlenschutz-Messgeräte - Hochempfindliche Handgeräte  
zur Detektion von Neutronenstrahlung emittierendem  
radioaktivem Material  
(IEC 62534:2010)

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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**

## European foreword

This document (EN 62534:2015) consists of the text of IEC 62534:2010 prepared by SC 45B "Radiation protection instrumentation" of IEC/TC 45 "Nuclear instrumentation".

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) 2016-11-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-11-02

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The text of the International Standard IEC 62534:2010 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 60068-2-18:2000	NOTE	Harmonized as EN 60068-2-18:2001 (not modified).
IEC 60068-2-27:2008	NOTE	Harmonized as EN 60068-2-27:2009 (not modified).
IEC 60068-2-75:1997	NOTE	Harmonized as EN 60068-2-75:1997 (not modified).
IEC 60086-1:2006	NOTE	Harmonized as EN 60086-1:2007 <sup>1)</sup> (not modified).
IEC 60721-3-7:2002	NOTE	Harmonized as EN 60721-3-7:1995 (not modified) and as EN 60721-3-7:1995/A1:1997 (not modified)
IEC 61000-4-1:2006	NOTE	Harmonized as EN 61000-4-1:2007 (not modified).
IEC 61000-4-4:2004	NOTE	Harmonized as EN 61000-4-4:2004 <sup>2)</sup> (not modified).
IEC 61000-4-6:2008	NOTE	Harmonized as EN 61000-4-6:2009 (not modified).
IEC 61000-4-8:2009	NOTE	Harmonized as EN 61000-4-8:2010 (not modified).
IEC 61187:1993	NOTE	Harmonized as EN 61187:1994 (modified).
IEC 62022:2004	NOTE	Harmonized as EN 62022:2007 (modified).
IEC 62244:2006	NOTE	Harmonized as EN 62244:2011 (modified).
IEC 62327:2006	NOTE	Harmonized as EN 62327:2011 (modified).

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1) Superseded by EN 60086-1:2011 (IEC 60086-1:2011), not modified.

2) Superseded by EN 61000-4-4:2012 (IEC 61000-4-4:2012), not modified.

## 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 60050-393	2003	International Electrotechnical Vocabulary - Part 393: Nuclear instrumentation - Physical phenomena and basic concepts	-	-
IEC 60050-394	2007	International Electrotechnical Vocabulary - Part 394: Nuclear instrumentation Instruments, systems, equipment and detectors	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May	1993
+ A1	1999		+ A1	2000
IEC 61000-4-2	2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	2009
IEC 61005 (mod)	2003	Radiation protection instrumentation - Neutron ambient dose equivalent (rate) meters	EN 61005	2004
IEC 61526 (mod)	2005	Radiation protection instrumentation - Measurement of personal dose equivalents Hp(10) and Hp(0,07) for X, gamma, neutron and beta radiations - Direct reading personal dose equivalent meters and monitors	EN 61526	2007
ISO 8529-1	2001	Reference neutron radiations - Part 1: Characteristics and methods of production	-	-

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IEC 62534

Edition 1.0 2010-06

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Radiation protection instrumentation – Highly sensitive hand-held instruments  
for neutron detection of radioactive material**

**Instrumentation pour la radioprotection – Instruments portables de haute  
sensibilité pour la détection neutronique de matières radioactives**

INTERNATIONAL  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**RADIATION PROTECTION INSTRUMENTATION –  
HIGHLY SENSITIVE HAND-HELD INSTRUMENTS FOR  
NEUTRON DETECTION OF RADIOACTIVE MATERIAL**

## FOREWORD

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International Standard IEC 62534 has been prepared by subcommittee 45B: Radiation protection instrumentation, of IEC technical committee 45: Nuclear instrumentation.

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

FDIS	Report on voting
45B/639/FDIS	45B/653/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.

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

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