

SLOVENSKI STANDARD

SIST EN 62061:2005/A2:2016

01-april-2016

Varnost strojev - Funkcijska varnost na varnost vezanih električnih, elektronskih in programirljivih elektronskih krmilnih sistemov (IEC 62061:2005/A2:2015)

Safety of machinery - Functional safety of safety-related electrical, Electronic and programmable electronic control systems (IEC 62061:2005/A2:2015)

Sicherheit von Maschinen - Funktionale Sicherheit sicherheitsbezogener elektrischer, elektronischer und programmierbarer elektronischer Steuerungssysteme (IEC 62061:2005/A2:2015)

Sécurité des machines - Sécurité fonctionnelle des systèmes de commande électriques, électroniques et électroniques programmables relatifs à la sécurité (IEC 62061:2005/A2:2015)

Ta slovenski standard je istoveten z: EN 62061:2005/A2:2015

ICS:

13.110	Varnost strojev	Safety of machinery
25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control

SIST EN 62061:2005/A2:2016 en,fr,de

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EUROPEAN STANDARD

EN 62061:2005/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2015

ICS 13.110; 25.040.99; 29.020

English Version

Safety of machinery - Functional safety of safety-related
electrical, Electronic and programmable electronic control
systems
(IEC 62061:2005/A2:2015)

Sécurité des machines - Sécurité fonctionnelle des
systèmes de commande électriques, électroniques et
électroniques programmables relatifs à la sécurité
(IEC 62061:2005/A2:2015)

Sicherheit von Maschinen - Funktionale Sicherheit
sicherheitsbezogener elektrischer, elektronischer und
programmierbarer elektronischer Steuerungssysteme
(IEC 62061:2005/A2:2015)

This amendment A2 modifies the European Standard EN 62061:2005; it was approved by CENELEC on 2015-07-31. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

EN 62061:2005/A2:2015**European foreword**

The text of document 44/718/CDV, future edition 1 of IEC 62061:2005/A2, prepared by IEC TC 44 "Safety of machinery - Electrotechnical aspects" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62061:2005/A2:2015.

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) 2016-05-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-07-31

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of EN 62061:2005.

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Endorsement notice
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The text of the International Standard IEC 62061:2005/A2:2015 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.

Replace

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 13849-2	-	Safety of machinery - Safety-related parts of control systems - Part 2: Validation	EN ISO 13849-2	-

Delete

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 14121	-	Safety of machinery - Principles of risk assessment		-

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IEC 62061

Edition 1.0 2015-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

**Safety of machinery – Functional safety of safety-related electrical, electronic
and programmable electronic control systems**

**Sécurité des machines – Sécurité fonctionnelle des systèmes de commande
électriques, électroniques et électroniques programmables relatifs à la sécurité**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 13.110; 25.040.99; 29.020

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FOREWORD

This amendment has been prepared by IEC technical committee 44: Safety of machinery – Electrotechnical aspects.

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

CDV	Report on voting
44/718/CDV	44/725/RVC

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website 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.

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INTRODUCTION

In the fourth paragraph, replace ISO 12100-1 with ISO 12100:2010.

In the seventh paragraph, replace ISO 12100-1 with ISO 12100.

In the seventh paragraph, replace ISO 14121 (EN 1050) with ISO 12100.

Figure 1 – Relationship of IEC 62061 to other relevant standards

Replace, in the first box of this figure, ISO 12100, Safety of machinery – Basic concept, general principles for design

ISO 14121, Safety of machinery – Principles for risk assessment

with ISO 12100, Safety of machinery – General principles for design – Risk assessment and risk reduction

2 Normative references

Replace the reference to ISO 13849-2:2003 with the following new reference:

ISO 13849-2:2012, *Safety of machinery – Safety-related parts of control systems – Part 2: Validation*

Delete from the existing list, the following standard:

ISO 14121, *Safety of machinery – Principles of risk assessment*

3.2.1

Replace, in the new source as modified by Amendment 1, ISO 12100-1:2003 with ISO 12100:2010, 3.1.

3.2.5

Replace, in the new source as modified by Amendment 1, IEC 61508-4 with IEC 61508-4:2010, 3.2.7.

3.2.7

Replace, in the new source as modified by Amendment 1, IEC 61508-4, 3.4.3 with IEC 61508-4:2010, 3.4.3.

3.2.9

Replace, in the new source as modified by Amendment 1, IEC 61508-4, 3.1.12 with IEC 61508-4:2010, 3.1.12.

3.2.10

Replace, in the new source as modified by Amendment 1, ISO 12100, 3.6 with ISO 12100:2010, 3.6.

3.2.11

Replace, in the new source as modified by Amendment 1, ISO 12100, 3.10 with ISO 12100:2010, 3.10.

3.2.12

Replace, in the new source as modified by Amendment 1, ISO 12100, 3.19 with ISO 12100:2010, 3.19

3.2.13

Replace, in the new source as modified by Amendment 1, ISO 12100, 3.12 with ISO 12100:2010, 3.12.

3.2.15

Replace, in the new source as modified by Amendment 1, ISO 12100, 3.30 with ISO 12100:2010, 3.30.

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