
Varnost strojev - Zahteve za brezžično povezavo upravljalnikov nadzornih sistemov strojev

Safety of machinery - Requirements for cableless control systems of machinery

Sicherheit von Maschinen - Anforderungen für kabellose Steuerungen an Maschinen

Sécurité des machines - Exigences générales pour les systèmes de commande sans fil des machines

STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: EN 62745:2017/A11:2020

SIST EN 62745:2017/A11:2020
<https://standards.iteh.ai/catalog/standards/sist/fc3d764d-5d0d-4a4d-a3fc-3edac4cb4e27/sist-en-62745-2017-a11-2020>

ICS:

13.110	Varnost strojev	Safety of machinery
35.100.01	Medsebojno povezovanje odprtih sistemov na splošno	Open systems interconnection in general

SIST EN 62745:2017/A11:2020**en,fr,de**

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 62745:2017/A11:2020](https://standards.iteh.ai/catalog/standards/sist/fc3d764d-5d0d-4a4d-a3fc-3edac4cb4e27/sist-en-62745-2017-a11-2020)

<https://standards.iteh.ai/catalog/standards/sist/fc3d764d-5d0d-4a4d-a3fc-3edac4cb4e27/sist-en-62745-2017-a11-2020>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62745:2017/A11

June 2020

ICS 13.110; 29.020; 35.100.01

English Version

**Safety of machinery - Requirements for cableless control
systems of machinery**

Sécurité des machines - Exigences générales pour les
systèmes de commande sans fil des machines

Sicherheit von Maschinen - Anforderungen für kabellose
Steuerungen an Maschinen

This amendment A11 modifies the European Standard EN 62745:2017; it was approved by CENELEC on 2020-04-22. 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, 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: Rue de la Science 23, B-1040 Brussels

EN 62745:2017/A11:2020 (E)

European foreword

This document (EN 62745:2017/A11:2020) has been prepared by CLC/TC 44X "Safety of machinery: electrotechnical aspects".

The following dates are fixed:

- latest date by which this document has (dop) 2021-04-22
to be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2023-04-22
standards conflicting with this document
have to be withdrawn

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

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 62745:2017/A11:2020](https://standards.iteh.ai/catalog/standards/sist/fc3d764d-5d0d-4a4d-a3fc-3edac4cb4e27/sist-en-62745-2017-a11-2020)

<https://standards.iteh.ai/catalog/standards/sist/fc3d764d-5d0d-4a4d-a3fc-3edac4cb4e27/sist-en-62745-2017-a11-2020>

1 Modification of the Annex ZA "Normative references to international publications with their corresponding European publications"

Replace the Annex ZA with the following:

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.

Publication	Year	Title	EN/HD	Year
IEC 60068-2-31	2008	Environmental testing -- Part 2-31: Tests -EN 60068-2-31		2008
		Test Ec: Rough handling shocks, primarily for equipment-type specimens		
IEC 60204-1 (mod)	2005	Safety of machinery - Electrical equipment	EN 60204-1	2006
+ A1	2008	of machines -- Part 1: General requirements	+ A1	2009
-	-		+ corrigendum Feb.	2010
IEC 60947-5-1	2016	Low-voltage switchgear and controlgear -EN 60947-5-1		2016
		Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices		
IEC 60947-5-5	1997	Low-voltage switchgear and controlgear --EN 60947-5-5		1997
+ A1	2005	Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	+ A1	2005
+ A2	2016		+ A11	2013
			+ A2	2017
IEC 62061	2005	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems	EN 62061	2005
+ corr 1	2005			
+ corr 2	2008			
-	-		+ corr. Feb	2010
+ A1	2012		+ A1	2013
+ A2	2015		+ A2	2015

EN 62745:2017/A11:2020 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 13849-1	2015	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	EN ISO 13849-1	2015
ISO 13849-2	2012	Safety of machinery - Safety-related parts of control systems - Part 2: Validation	EN ISO 13849-2	2012
ISO 13850	2015	Safety of machinery - Emergency stop function - Principles for design	EN ISO 13850	2015

2 Addition of the Annex ZZ "Relationship between this European Standard and the essential requirements of Directive 2006/42/EC [2006 OJ L 157] aimed to be covered"

Add the following Annex ZZ:

Annex ZZ (informative)

Relationship between this European Standard and the essential requirements of Directive 2006/42/EC [2006 OJ L 157] aimed to be covered

iTeh STANDARD PREVIEW

(standards.iteh.ai)

This European Standard has been prepared under a Commission's standardization request M//396 Mandate to CEN and CENELEC for Standardisation in the field of machinery" to provide one voluntary means of conforming to essential requirements of Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast).

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding requirements of that Directive, and associated EFTA regulations.

Table ZZ.1 — Correspondence between this European Standard and Annex 1 of Directive 2006/42/EC

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
1.2.1	4.2.1; 4.2.3; 4.3; 4.4; 4.5; 4.6; 4.7.3.2; 4.7.3.3; 4.7.3.5; 4.8; 4.10; 4.11; 4.12; 4.13; 4.14; 4.15	
1.2.2	4.2.1; 4.2.2; 4.5; 4.7.3; 4.10; 4.11; 4.12; 4.13; 4.14; 4.15	
1.2.3	4.5; 4.2.1; 4.2.3,	
1.2.4.1	4.7.3.2; 4.7.3.3; 4.7.3.5	
1.2.4.2	4.3.7.2; 4.7.3.3	
1.2.4.3	4.7.3.4; 4.8	

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
1.2.6	4.8; 4.11	
1.5.4	6.1; 6.2 items i), l)	
1.7.1	6	
1.7.2	6.2	
1.7.4.2 (a, b, d, e, g, h, i, k)	6; 7	
3.3	4.2; 4.12; 4.13; 4.15	
3.6.1	6	

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 62745:2017/A11:2020](https://standards.iteh.ai/catalog/standards/sist/fc3d764d-5d0d-4a4d-a3fc-3edac4cb4e27/sist-en-62745-2017-a11-2020)

<https://standards.iteh.ai/catalog/standards/sist/fc3d764d-5d0d-4a4d-a3fc-3edac4cb4e27/sist-en-62745-2017-a11-2020>