
**Oprema za avdio/video, informacijsko in komunikacijsko tehnologijo - 1. del:
Varnostne zahteve (IEC 62368-1:2014, spremenjen)**

Audio/video, information and communication technology equipment - Part 1: Safety requirements

Einrichtungen für Audio/Video-, Informations- und Kommunikationstechnik – Teil 1: Sicherheitsanforderungen

Equipements des technologies de l'audio/vidéo, de l'information et de la communication - Partie 1: Exigences de sécurité

Ta slovenski standard je istoveten z: EN 62368-1:2014/prAB:2018

ICS:

| | | |
|-----------|--|---|
| 33.160.01 | Avdio, video in avdiovizualni sistemi na splošno | Audio, video and audiovisual systems in general |
| 35.020 | Informacijska tehnika in tehnologija na splošno | Information technology (IT) in general |

SIST EN 62368-1:2014/oprAB:2018 **en,fr,de**

iTeh STANDARD PREVIEW
(standards.iteh.ai)
Full standard:
<https://standards.iteh.ai/catalog/standards/sist/1efe090-405-4ee0-8e00-9e5fb53fb71/sist-en-62368-1-2014-kprab-2018>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
EN 62368-1:2014

prAB

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ICS 33.160.01; 35.020

English Version

**Audio/video, information and communication technology
equipment - Part 1: Safety requirements (IEC 62368-1:2014,
modified)**

Equipements des technologies de l'audio/vidéo, de
l'information et de la communication - Partie 1: Exigences
de sécurité (IEC 62368-1:2014, modifiée)

Einrichtungen für Audio/Video-, Informations- und
Kommunikationstechnik - Teil 1: Sicherheitsanforderungen
(IEC 62368-1:2014, modifiziert)

This draft amendment prAB, if approved, will modify the European Standard EN 62368-1:2014; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2018-04-06.

It has been drawn up by CLC/TC 108X.

If this draft becomes an amendment, 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.

This draft amendment was established by CENELEC 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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 62368-1:2014/prAB:2018 (E)

1 **European foreword**

2 This document (EN 62368-1:2014/prAB:2018) has been prepared by CLC/TC 108X, "*Safety of electronic*
3 *equipment within the fields of Audio/Video, Information Technology and Communication Technology*".

4 This document is currently submitted to the Enquiry.

5 The following dates are proposed:

- latest date by which the existence of this document has to be announced at national level (doa) dor + 6 months
- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) dor + 12 months
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) dor + 36 months (to be confirmed or modified when voting)

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

8 For the relationship with EU Directive(s) see informative Annex ZZA and ZZB, which is an integral part of
9 this document.

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Full standard:
https://standards.iteh.ai/catalog/standard/standard/62368-1-2014-kprAB-2018-405-4ec0-8e00-9e5fb53fb71/sist-en-62368-1-2014-kprAB-2018

10 1. Modification to the foreword

11 *Modify the 6th paragraph of the foreword as follows:*

12 This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed
13 for Use within Certain Voltage Limits (LVD - 2014/30/EU).

14

15 *Add a new paragraph after the 6th paragraph in the foreword as follows:*

16

17 This standard covers the health and safety objectives in Article 3.1 (a) of the Directive on the
18 harmonisation of the laws of the Member States relating to the making available on the market of radio
19 equipment and repealing Directive 1999/5/EC (RED – 2014/53/EU).

20

21 2. Modification to Scope

22 *Modify the 4th paragraph of as follows:*

23 This part of EN 62328 specifies **safeguards for ordinary persons, instructed persons, and skilled**
24 **persons** under **normal operating conditions, abnormal operating conditions** (including **reasonably**
25 **foreseeable misuse**) and **single fault conditions**. Additional requirements may apply for equipment that
26 is clearly designed or intended for use by children or specifically attractive to children.

27

28 3. Modification to 4.1.1

29 *Delete the following lines from 4.1.1:*

30

31 Components and subassemblies that comply with EN 60950-1 or EN 60065 are acceptable as part of
32 equipment covered by this standard without further evaluation other than to give consideration to the
33 appropriate use of the component or subassembly in the end-product.

34

35 NOTE This paragraph will be deleted in edition 3 of this standard. It is added here to provide a smooth transition from the latest
36 editions of EN 60950-1 and EN 60065 to this standard.

37

Annex ZZA
(informative)

**Relationship between this European standard and the safety objectives of
Directive 2014/35/EU [2014 OJ L96] aimed to be covered**

This European standard has been prepared under a Commission's standardisation request relating to harmonised standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

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 ZZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

**Table ZZA.1 – Correspondence between this European standard and Annex I of Directive
2014/35/EU [2014 OJ L96]**

| Safety objectives of Directive 2014/35/EU | Clause(s) / sub-clause(s) of this EN | Remarks / Notes |
|---|---|-----------------|
| 1. General conditions | | |
| a) the essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the electrical equipment, or, if this is not possible, on an accompanying document; | 4.1.15 Markings and Instructions F.3.3 Equipment Rating Markings F.4 Instructions | |
| (b) the electrical equipment, together with its component parts, shall be made in such a way as to ensure that it can be safely and properly assembled and connected; | Annex L Disconnect Devices F.3.3 Equipment Rating Markings | |
| c) the electrical equipment shall be so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 is assured, providing that the equipment is used in applications for which it was made and is adequately maintained. | 4.1.3 Equipment design and construction | |

| | | |
|---|---|--|
| 2. Protection against hazards arising from the electrical equipment | | |
| a) Persons and domestic animals are adequately protected against the danger of physical injury or other harm which might be caused by direct or indirect contact; | 4.3 Protection against energy sources 5.3 Protection against electrical energy sources | |
| b) temperatures, arcs or radiation which would cause a danger, are not produced; | 9 Thermal burn injury 10.3 Safeguards against laser radiation 10.4 Safeguards against visible, infra-red, and ultra-violet radiation 10.5 Safeguards against x-radiation 10.6 Safeguards against acoustic energy sources | Hazards from exposure to Electromagnetic Fields is not covered in this standard. |
| c) Persons, domestic animals and property are protected against non-electrical dangers caused by the electrical equipment which are revealed by experience; | 6.3 Safeguards against fire under normal operating conditions and abnormal operating conditions 7 Injury caused by hazardous substances M.3 Protection circuits for batteries provided within the equipment 8 Mechanically-caused injury 8.4 Safeguards against parts with sharp edges and corners 8.5 Safeguards against moving parts 8.6 Stability of equipment 8.7 Equipment mounted to a wall or ceiling 8.8 Handle strength 8.9 Wheels or casters attachment requirements 8.10 Carts, stands, and similar carriers | |

EN 62368-1:2014/prAB:2018 (E)

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|---|---|--|
| | 8.11 Mounting means for rack mounted equipment 8.12 Telescoping or rod antennas | |
| d) the insulation is suitable for foreseeable conditions. | 5.4 Insulation materials and requirements | |
| 3. Protection against hazards which may be caused by external influences on the electrical equipment | | |
| a) meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered; | 4.4.4 Safeguard robustness | |
| b) is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered | 1 Scope | Equipment to be used in wet areas is excluded. EN 60950-22:2017 may apply. |
| c) does not endanger persons, domestic animals and property in foreseeable conditions of overload | 5.4 Insulation materials and requirements 5.6.4.2 Determination of the protective current rating | |

57

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

61

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