

Particular safety requirements for equipment to be connected to information and communication networks

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 62949:2017 sisaldab Euroopa standardi EN 62949:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 62949:2017 consists of the English text of the European standard EN 62949:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 09.06.2017.	Date of Availability of the European standard is 09.06.2017.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 33.160, 35.020

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English Version

**Particular safety requirements for equipment to be connected to  
information and communication networks  
(IEC 62949:2017)**

Exigences de sécurité spécifiques pour les équipements  
destinés à être connectés aux réseaux d'information et de  
communication  
(IEC 62949:2017)

Besondere Sicherheitsanforderungen an Geräte zum  
Anschluss an Kommunikationsnetze mit paarweise  
angeordneten Leitern  
(IEC 62949:2017)

This European Standard was approved by CENELEC on 2017-02-24. 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.

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.



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

The text of document 108/664/FDIS, future edition 1 of IEC 62949, prepared by IEC/TC 108 "Safety of electronic equipment within the field of audio/video, information technology and communication technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62949:2017.

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) 2017-12-09
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-06-20

This document supersedes EN 41003:2008.

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.

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.

## Endorsement notice

The text of the International Standard IEC 62949:2017 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 60065:2014	NOTE	Harmonized as EN 60065:2014 (modified).
IEC 60364	NOTE	Harmonized in HD 384 / HD 60364 series.
IEC 60529	NOTE	Harmonized as EN 60529.
IEC 60664-1	NOTE	Harmonized as EN 60664-1.
IEC 60950-1:2005	NOTE	Harmonized as EN 60950-1:2006 (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 62368-1 (mod)	2014	Audio/video, information and communication technology equipment -	EN 62368-1	2014
-	-	Part 1: Safety requirements	+ AC	2015-05
-	-		+AC	2017-03
-	-		+ A11	2017

## Annex ZZ

(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 standardization request relating to harmonized 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 harmonization 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 ZZ.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 ZZ.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
Annex I 1. General conditions	This standard is an interface standard, only. It addresses the electrical characteristic of the electric interface to an ICT network. See Clause 1	
2. Protection against hazards arising from the electrical equipment	See 4.1 up to 4.5 and 4.7	
a) protected against the danger of physical injury or other harm which might be caused by direct or indirect contact;	See 4.2. – 4.5.  See 4.7	
b) temperatures, arcs or radiation which would cause a danger, are not produced;	Not addressed in this standard	
c) protected against non-electrical dangers caused by the electrical equipment which are revealed by experience;	Not addressed in this standard	
d) the insulation is suitable for foreseeable conditions.	See 4.2. – 4.5.3	

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
3. Protection against hazards which may be caused by external influences on the electrical equipment	See 4.5.4; 4.6 and 4.7	
a) meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered;	Not addressed in this standard	
b) is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered	See 4.5.4  See 4.6	
c) does not endanger persons, domestic animals and property in foreseeable conditions of overload	See 4.7	

**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.

## CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references .....	7
3 Terms and definitions .....	7
4 Safety requirements and compliance criteria.....	8
4.1 General.....	8
4.2 Interconnection of equipment.....	9
4.2.1 General requirements .....	9
4.2.2 Types of interconnection circuits.....	9
4.3 ES1 circuits .....	9
4.3.1 Limits .....	9
4.3.2 Protection against contact with ES1 circuits.....	9
4.4 ES2 circuits .....	9
4.4.1 Limits .....	9
4.4.2 Protection against contact with ES2 circuits.....	9
4.5 ES3 circuits .....	9
4.5.1 Limits .....	9
4.5.2 Protection against contact with ES3 circuits.....	9
4.6 Protection from hazards in the equipment for persons servicing ICT networks, and users of other equipment connected to the network.....	10
4.6.1 Protection from ES3.....	10
4.6.2 Separation of the ICT network from earth .....	10
4.6.3 Touch current to ICT networks.....	10
4.6.4 Summation of touch currents from ICT networks.....	10
4.7 Protection of equipment users from overvoltages on ICT networks.....	10
4.8 Protection of the wiring system of an ICT network from overheating.....	10
Annex A (informative) Relevant safety standards for the application of this document.....	11
Annex B (informative) ICT network voltages and signals .....	12
B.1 General.....	12
B.2 Contact with operating voltages on ICT networks.....	13
Annex C (informative) Comparison of terms and definitions introduced in this document.....	15
C.1 General.....	15
C.2 Comparison of terms and definitions .....	15
Annex D (informative) Overview of networks.....	22
Bibliography.....	23
Figure B.1 – Current limit curves.....	13
Figure D.1 – Overview of network .....	22