

INFOTEHNIKASEADMED. OHUTUS. OSA 22:
VÄLISPAIGALDUSSEADMED

Information Technology Equipment - Safety - Part 22:
Equipment to be installed outdoors

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60950-22:2017 sisaldab Euroopa standardi EN 60950-22:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 60950-22:2017 consists of the English text of the European standard EN 60950-22:2017.
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.
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English Version

**Information technology equipment - Safety -
Part 22: Equipment to be installed outdoors
(IEC 60950-22:2016)**

Matériels de traitement de l'information - Sécurité -
Partie 22: Matériels destinés à être installés à l'extérieur
(IEC 60950-22:2016)

Einrichtungen der Informationstechnik - Sicherheit -
Teil 22: Einrichtungen für den Außenbereich
(IEC 60950-22:2016)

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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.

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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

The text of document 108/615/FDIS, future edition 2 of IEC 60950-22, 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 60950-22:2017.

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) 2017-10-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-04-14

This document supersedes EN 60950-22:2006.

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.

Endorsement notice

The text of the International Standard IEC 60950-22:2016 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 60364-4-43:2008	NOTE	Harmonized as HD 60364-4-43:2010 (modified).
IEC 60364-5-53 (Clause 534)	NOTE	Harmonized as HD 60364-5-534.
IEC 60664-1	NOTE	Harmonized as EN 60664-1.
IEC 60721-3-4	NOTE	Harmonized as EN 60721-3-4.
IEC 60896-21	NOTE	Harmonized as EN 60896-21.
IEC 60896-22	NOTE	Harmonized as EN 60896-22.
IEC 61439-5:2014	NOTE	Harmonized as EN 61439-5:2015 (not modified).
IEC 61587-1:2011	NOTE	Harmonized as EN 61587-1:2012 (not modified).
IEC 61643	NOTE	Harmonized in EN 61643 / CLC/TS 61643 series.
IEC 61643-11	NOTE	Harmonized as EN 61643-11.

IEC 61969-3	NOTE	Harmonized as EN 61969-3.
IEC 62305-1:2010	NOTE	Harmonized as EN 62305-1:2011 (modified).
ISO 4628-3	NOTE	Harmonized as EN ISO 4628-3.

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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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-11	-	Basic environmental testing procedures - Part 2-11: Tests - Test Ka: Salt mist	EN 60068-2-11	-
IEC 60364	series	Low-voltage electrical installations	HD 384 / HD 60364	series
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May	1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 60950-1 (mod)	2005	Information technology equipment - Safety -	EN 60950-1	2006
-	-	Part 1: General requirements	+ AC	2011
-	-		+ A11	2009
+ A1 (mod)	2009		+ A1	2010
-	-		+ A12	2011
+ A2 (mod)	2013		+ A2	2013
IEC 62368-1 (mod)	2014	Audio/video, information and communication technology equipment -	EN 62368-1	2014
-	-	Part 1: Safety requirements	+ AC	2015
-	-		+ AC	2017-03
ISO 178	-	Plastics - Determination of flexural properties	EN ISO 178	-
ISO 179	series	Plastics - Determination of Charpy impact properties	EN ISO 179	series
ISO 180	-	Plastics - Determination of Izod impact strength	EN ISO 180	-
ISO 527	series	Plastics - Determination of tensile properties	EN ISO 527	series

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 3231	-	Paints and varnishes - Determination of resistance to humid atmospheres containing sulfur dioxide	EN ISO 3231	-
ISO 4892-1	-	Plastics - Methods of exposure to laboratory light sources - Part 1: General guidance	EN ISO 4892-1	-
ISO 4892-2	-	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps	EN ISO 4892-2	-
ISO 4892-4	-	Plastics - Methods of exposure to laboratory light sources - Part 4: Open-flame carbon-arc lamps	-	-
ISO 8256	-	Plastics - Determination of tensile-impact strength	EN ISO 8256	-
ISO/TS 18173	2005	Non-destructive testing - General terms and definitions	-	-
ASTM D 471	1998	Standard Test Method for Rubber Property-Effect of Liquids	-	-

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INTRODUCTION

This standard proposes safety requirements for information technology equipment intended to be installed, when exposed wholly or partly, in a location where protection from the weather and other outdoor influences such as rain, dust, etc. normally provided by a building or other structure is limited or non-existent. There are many examples of information technology equipment in use throughout the world that are housed in special ENCLOSURES located on pavements, mounted on telecommunications poles and situated underground. Presently, IEC 60950 has no requirements for such equipment and this proposal would rectify this omission. The proposed requirements would not apply to portable or transportable equipment that may be occasionally used outdoors, but are not intended to be installed in conditions of inclement weather.

It is expected that IEC TC108 will continue to coordinate the output of its work with other technical committees dealing with equipment installed outdoors, such as IEC TC70 (Degrees of protection provided by enclosures, responsible for IEC 60529) and IEC TC 48 (Electrical connectors and mechanical structures for electrical and electronic equipment).

Annex E describes the rationale behind the treatment of specific safety aspects in this standard.