



SLOVENSKI STANDARD

SIST EN 60950-22:2007

01-januar-2007

Oprema za informacijsko tehnologijo - Varnost - 22. del: Oprema na prostem (IEC 60950-22:2005, spremenjen) (vsebuje popravek AC:2008)

Information technology equipment - Safety -- Part 22: Equipment installed outdoors

Einrichtungen der Informationstechnik - Sicherheit -- Teil 22: Einrichtungen für den Außenbereich

Matériels de traitement de l'information - Sécurité -- Partie 22: Matériels destinés à être installés à l'extérieur

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Ta slovenski standard je istoveten z: EN 60950-22:2006

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ICS:

35.020

Informacijska tehnika in tehnologija na splošno

Information technology (IT) in general

SIST EN 60950-22:2007

en,fr,de

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EUROPEAN STANDARD

EN 60950-22

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2006

ICS 35.020; 29.020

Incorporates corrigendum October 2008

English version

**Information technology equipment -
Safety
Part 22: Equipment installed outdoors
(IEC 60950-22:2005, modified)**

Matériels de traitement de l'information -
Sécurité
Partie 22: Matériels destinés
à être installés à l'extérieur
(CEI 60950-22:2005, modifiée)

Einrichtungen der Informationstechnik -
Sicherheit
Teil 22: Einrichtungen
für den Außenbereich
(IEC 60950-22:2005, modifiziert)

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This European Standard was approved by CENELEC on 2005-12-01. 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.

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 108/145//FDIS, future edition 1 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 was approved by CENELEC as EN 60950-22 on 2005-12-01.

A draft amendment, prepared by the Technical Committee CENELEC/TC 108, Safety of electronic equipment within the fields of audio/video, information technology and communication technology, was submitted to the formal vote and was approved by CENELEC for inclusion in EN 60950-22 on 2005-12-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2006-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-12-01

This Part 22 of EN 60950 is intended to be used with EN 60950-1. The subclauses of EN 60950-1 apply as is reasonable. Where safety aspects are similar to those of Part 1, the relevant Part 1 clause or subclause is shown for reference in parentheses after the clause or subclause title in Part 22. Where a requirement in Part 22 refers to a requirement or criterion of Part 1, a specific reference to EN 60950-1 is made.

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EN 60950 consists of the following parts, under the general title *Information technology equipment – Safety*:

- Part 1: General requirements; [SIST EN 60950-22:2007](https://standards.iteh.ai/catalog/standards/sist/dcce41af-77aa-44fd-b945-dca5435464f2/sist-en-60950-22-2007)
- Part 21: Remote power feeding;
- Part 22: Equipment installed outdoors;
- Part 23: Large data storage equipment.

In this standard, the following print types are used:

- requirements proper and normative annexes: roman type;
- *compliance statements and test specifications: italic type;*
- notes in the text and in tables: smaller roman type;
- terms that are defined in Clause 2 and in EN 60950-1: SMALL CAPITALS.

Annexes ZA and ZB have been added by CENELEC.

The contents of the corrigendum of October 2008 have been included in this copy.

Endorsement notice

The text of the International Standard IEC 60950-22:2005 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

Contents Add the following annexes:

Annex ZA (normative) Normative references to international publications with their corresponding European publications

Annex ZB (normative) Special national conditions

Delete all the "country" notes in IEC 60950-22:2005 according to the following list:

- 4.1 Note 3
- 4.3 Note
- 8.5 Note
- 10.2 Note
- D.3 Note
- D.4 Note

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For special national conditions, see Annex ZB.

Bibliography Add the following notes for the standards indicated:

- SIST EN 60950-22:2007
<http://standards.iteh.ai/catalog/standards/sist-en-60950-22-2007>
- IEC 60364-1 NOTE Harmonized as HD 384.1 S2:2001 (modified).
- IEC 60364-4-44 NOTE Partly harmonized as HD 60364-4-443:2006 (modified), HD 384.4.442 S1:1997 (related) and R064-004:1999 (IEC 60364-4-444:1996, modified).
- IEC 60439-5 NOTE Harmonized as EN 60439-5:1996 + A1:1998 (not modified).
- IEC 60664-1 NOTE Harmonized as EN 60664-1:2003 (not modified).
- IEC 60721-3-4 NOTE Harmonized as EN 60721-3-4:1995 (not modified).
- IEC 61587-1 NOTE Harmonized as EN 61587-1:1999 (not modified).
- IEC 61969-3 NOTE Harmonized as EN 61969-3:2001 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

NOTE When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-11	1981	Environmental testing Part 2: Tests - Test Ka: Salt mist	EN 60068-2-11	1999
IEC 60364 (mod)	Series	Electrical installations of buildings	HD 384/ HD 60364	Series
IEC 60364-4-43	2001	Part 4-43: Protection for safety - Protection against overcurrent	- ¹⁾	-
IEC 60529	- ²⁾	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 ³⁾ 1993
IEC 60950-1 (mod)	2005	Information technology equipment - Safety Part 1: General requirements	EN 60950-1	2006
IEC 61643 (mod)	Series	Low-voltage surge protective device	EN 61643	Series
ISO 178	- ²⁾	Plastics - Determination of flexural properties	EN ISO 178	2003 ³⁾
ISO 179	Series	Plastics - Determination of Charpy impact strength	EN ISO 179	Series
ISO 180	- ²⁾	Plastics - Determination of Izod impact strength	EN ISO 180	2000 ³⁾
ISO 527	Series	Plastics - Determination of tensile properties	EN ISO 527	Series
ISO 3231	- ²⁾	Paints and varnishes - Determination of resistance to humid atmospheres containing sulfur dioxide	EN ISO 3231	1997 ³⁾

¹⁾ IEC 60364-4-43:1977 + A1:1997 (modified) are harmonized as HD 384.4.43 S2:2001.

²⁾ Undated reference.

³⁾ Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 4628-3	- ²⁾	Paints and varnishes - Evaluation of degradation of paint coatings - Designation of intensity, quantity and size of common types of defect Part 3: Designation of degree of rusting	EN ISO 4628-3	2003 ³⁾
ISO 4892-1	- ²⁾	Plastics - Methods of exposure to laboratory light sources Part 1: General guidance	EN ISO 4892-1	2000 ³⁾
ISO 4892-2	- ²⁾	Part 2: Xenon-arc sources	EN ISO 4892-2	1999 ³⁾
ISO 4892-4	- ²⁾	Part 4: Open-flame carbon-arc lamps	–	–
ISO 8256	- ²⁾	Plastics - Determination of tensile-impact strength	EN ISO 8256	2004 ³⁾
ISO 18173	2005	Non-destructive testing - General terms and definitions	–	–

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Annex ZB (normative)

Special national conditions

Special national condition: National characteristic or practice that cannot be changed even over a long period, e.g. climatic conditions, electrical earthing conditions.

NOTE If it affects harmonization, it forms part of the European Standard or Harmonization Document.

For the countries in which the relevant special national condition apply these provisions are normative, for other countries they are informative.

<u>Subclause</u>	<u>Special national condition</u>
------------------	-----------------------------------

- | | |
|------|---|
| 4.1 | In Finland, Norway and Sweden , the temperature in winter may be extremely low. For OUTDOOR EQUIPMENT this will demand special design so that the equipment can withstand transport, erection and operation/service at temperatures down to -50 °C. |
| 10.2 | In Finland, Norway and Sweden there are additional requirements for the minimum ambient temperature. See 4.1 of this annex. |
| D.3 | In Finland, Norway and Sweden there are additional requirements for the minimum ambient temperature. See 4.1 of this annex. |

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60950-22

Première édition
First edition
2005-10

**Matériels de traitement de l'information –
Sécurité –**

**Partie 22:
Matériels destinés à être installés à l'extérieur**

iTeh STANDARD PREVIEW

**Information technology equipment –
Safety –**

[SIST EN 60950-22:2007](https://standards.iteh.ai/catalog/standards/sist/dcce41af-77aa-44fd-b945-dca5435464f2/sist-en-60950-22-2007)

[Part 22:](https://standards.iteh.ai/catalog/standards/sist/dcce41af-77aa-44fd-b945-dca5435464f2/sist-en-60950-22-2007)

Equipment to be installed outdoors

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

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*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INFORMATION TECHNOLOGY EQUIPMENT –
SAFETY –**
Part 22: Equipment to be installed outdoors

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60950-22 has been prepared by IEC TC 108 Safety of electronic equipment within the field of audio/video, information technology and communication technology.

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

FDIS	Report on voting
108/145/FDIS	108/151/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.