



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 60950-1:2006/A2:2013

**Information technology equipment -
Safety -- Part 1: General requirements**

Matériel de traitement de l'information -
Sécurité -- Partie 1: Exigences générales

Einrichtungen der Informationstechnik -
Sicherheit -- Teil 1: Allgemeine
Anforderungen

08/2013



National Foreword

This European Standard EN 60950-1:2006/A2:2013 was adopted as Luxembourgish Standard ILNAS-EN 60950-1:2006/A2:2013.

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- Participate in the design of standards
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**Information technology equipment -
Safety -**

Part 1: General requirements
(IEC 60950-1:2005/A2:2013, modified)

Matériel de traitement de l'information -
Sécurité -
Partie 1: Exigences générales
(CEI 60950-1:2005/A2:2013, modifié)

Einrichtungen der Informationstechnik -
Sicherheit -
Teil 1: Allgemeine Anforderungen
(IEC 60950-1:2005/A2:2013, modifiziert)

This amendment A2 modifies the European Standard EN 60950-1:2006; it was approved by CENELEC on 2013-07-02. 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 108/507/FDIS, future IEC 60950-1:2005/A2, 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 60950-1:2006/A2:2013.

A draft amendment, which covers common modifications to IEC 60950-1:2005/A2:2013, was prepared by CLC/TC 108X, "Safety of electronic equipment within the fields of Audio/Video, Information Technology and Communication Technology" and approved by CENELEC.

The following dates are fixed:

- latest date by which this document has to be implemented (dop) 2014-07-02
at national level by publication of an identical
national standard or by endorsement
- latest date by which the national standards conflicting (dow) 2016-07-02
with this document have to be withdrawn

Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 60950-1 are prefixed "Z".

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 standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 60950-1:2005/A2:2013 was approved by CENELEC as a European Standard with agreed common modifications.

COMMON MODIFICATIONS

Contents

Add the following:

Annex ZD (informative) IEC and CENELEC code designations for flexible cords

Whole document

Delete all the “country” notes in the reference document according to the following list:

2.7.1	Note *	2.10.3.1	Note 2	6.2.2	Note
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* Note of secretary: Text of Common Modification remains unchanged

For special national conditions, see Annex ZB.

3 Wiring, connections and supply

3.2.5.1 AC power supply cords

Add the following Note:

NOTE Z1 The harmonised code designations corresponding to the IEC cord types are given in Annex ZD.

Replace the entire Annex ZA by 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 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>
-	-	Sound system equipment: Headphones and earphones associated with portable audio equipment — Maximum sound pressure level measurement methodology and limit considerations — Part 1: General method for "one package equipment"	EN 50332-1	-
-	-	Sound system equipment: Headphones and earphones associated with portable audio equipment — Maximum sound pressure level measurement methodology and limit considerations — Part 2: Matching of sets with headphones if either or both are offered separately	EN 50332-2	-
-	-	Insulating, sheathing and covering materials for low-voltage energy cables	EN 50363	all parts
-	-	Electrical test methods for low voltage energy cables	EN 50395	-
-	-	Non electrical test methods for low voltage energy cables	EN 50396	-
IEC 60065 (mod) A1 (mod)	2001 2005	Audio, video and similar electronic apparatus – Safety requirements	EN 60065 A1 A11	2002 2006 2008
A2 (mod)	2010		A2 A12	2010 2011
IEC 60068-2-78	-	Environmental testing – Part 2-78: Tests – Test Cab: Damp heat, steady state	EN 60068-2-78	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60073	-	Basic and safety principles for man-machine interface, marking and identification – Coding principles for indication devices and actuators	EN 60073	-
IEC/TR 60083	-	Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC	-	-
IEC 60085	2004	Electrical insulation – Thermal evaluation and designation	EN 60085	2004 ¹⁾
IEC 60112	-	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	-
IEC 60127-1	-	Miniature fuses – Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links	EN 60127-1	-
IEC 60227-1	2007	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 1: General requirements	- ²⁾	-
IEC 60227-2 A1	1997 2003	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 2: Test methods	- ²⁾	-
IEC 60245	all parts	Rubber insulated cables – Rated voltages up to and including 450/750V	- ³⁾	-
IEC 60309	all parts	Plugs, socket-outlets and couplers for industrial purposes – Part 1: General requirements	EN 60309	all parts
IEC 60317	all parts	Specifications for particular types of winding wires	EN 60317	all parts
IEC 60317-43	-	Specifications for particular types of winding wires – Part 43: Aromatic polyimide tape wrapped round copper wire, class 240	EN 60317-43	-

1) IEC 60085:2004 is superseded by IEC 60085:2007 which is harmonised as EN 60085:2008.

2) The HD 21 series is related to, but not directly equivalent with the IEC 60227 series. Also EN 50363, EN 50395 and EN 50396 are to be taken into account.

3) The HD 22 series is related to, but not directly equivalent with the IEC 60245 series. Also EN 50363, EN 50395 and EN 50396 are to be taken into account.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60320	all parts	Appliance couplers for household and similar general purposes	EN 60320	all parts
IEC 60364-1 (mod)	2001	Electrical installations of buildings – Part 1: Fundamental principles, assessment of general characteristics, definitions	HD 384.1 S2	2001
IEC 60384-14	2005	Fixed capacitors for use in electronic equipment – Part 14: Sectional specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	EN 60384-14	2005
IEC 60417	Data-base	Graphical symbols for use on equipment	-	-
IEC 60664-1 A1 A2	1992 2000 2002	Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests	EN 60664-1	2003 ⁴⁾
IEC 60695-2-11	-	Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products	EN 60695-2-11	-
IEC 60695-2-20	-	Fire hazard testing – Part 2-20: Glowing/hot-wire based test methods – Hot-wire coil ignitability – Apparatus, test method and guidance	-	-
IEC 60695-10-2	-	Fire hazard testing – Part 10-2: Abnormal heat – Ball pressure test	EN 60695-10-2	-
IEC 60695-10-3	-	Fire hazard testing – Part 10-3: Abnormal heat – Mould stress relief distortion test	EN 60695-10-3	-
IEC 60695-11-3	-	Fire hazard testing – Part 11-3: Test flames –500 W flames – Apparatus and confirmational test methods	EN 60695-11-3	-
IEC 60695-11-4	-	Fire hazard testing – Part 11-4: Test flames –50 W flame – Apparatus and confirmational test method	EN 60695-11-4	-

⁴⁾ IEC 60664-1:1992 is superseded by IEC 60664-1:2007 which is harmonised as EN 60664-1:2007.