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SIST EN 62310-2:2008

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**Static transfer systems (STS) -
Part 2: Electromagnetic compatibility (EMC) requirements
(IEC 62310-2:2006, modified)**

Systèmes de transfert statique (STS) -
Partie 2: Exigences pour
la compatibilité électromagnétique (CEM)
(CEI 62310-2:2006, modifiée)

Statische Transfersysteme (STS) -
Teil 2: Anforderungen an die
elektromagnetische Verträglichkeit (EMV)
(IEC 62310-2:2006, modifiziert)

STANDARD PREVIEW
This European Standard was approved by CENELEC on 2006-09-01. 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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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 22H/81/FDIS, future edition 1 of IEC 62310-2, prepared by SC 22H, Uninterruptible power systems (UPS), of IEC TC 22, Power electronic systems and equipment, was submitted to the IEC-CENELEC parallel vote.

A draft amendment, prepared by the Technical Committee CENELEC TC 22X, Power electronics, was submitted to the formal vote.

The combined texts were approved by CENELEC as EN 62310-2 on 2006-09-01.

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) 2007-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-09-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive 89/336/EEC. See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

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The text of the International Standard IEC 62310-2:2006 was approved by CENELEC as a European Standard with agreed common modifications as given below.

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COMMON MODIFICATIONS

1 Scope

Add the following paragraph after the 3rd paragraph:

This part of IEC 62310 is intended as a product standard allowing the EMC conformity assessment of products of categories C1, C2 and C3 as defined in Clause 4, before placing them on the market. Equipment of category C4 is treated as a fixed installation. Checking is generally done after installation in its final place of use. Sometimes partial checking may be done before. See Annex E.

Bibliography

Add the following notes for:

- IEC 60947-6-1
NOTE Harmonized as EN 60947-6-1:2005 (not modified).
- IEC 62040
NOTE Harmonized in EN 62040 series (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 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>
IEC 60050-161	– ¹⁾	International Electrotechnical Vocabulary (IEV) - Chapter 161: Electromagnetic compatibility	-	-
IEC 61000-2-2	2002	Electromagnetic compatibility (EMC) Part 2-2: Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems	EN 61000-2-2	2002
IEC 61000-3-2 (mod) A1 + A2	2000 2001 2004	Electromagnetic compatibility (EMC) Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)	EN 61000-3-2 ²⁾ A2	2000 2005
IEC 61000-4-1	2000	Electromagnetic compatibility (EMC) Part 4-1: Testing and measurement techniques - Overview of IEC 61000-4-series	EN 61000-4-1	2000
IEC 61000-4-2 A1 A2	1995 1998 2000	Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2 A1 A2	1995 1998 2001
IEC 61000-4-3 A1	2002 2002	Electromagnetic compatibility (EMC) Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3 ³⁾ A1	2002 2002
IEC 61000-4-4	2004	Electromagnetic compatibility (EMC) Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	2004
IEC 61000-4-5 A1	1995 2000	Electromagnetic compatibility (EMC) Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5 ⁴⁾ A1	1995 2001

¹⁾ Undated reference.

²⁾ EN 61000-3-2 is superseded by EN 61000-3-2:2006, which is based on IEC 61000-3-2:2005.

³⁾ EN 61000-4-3 is superseded by EN 61000-4-3:2006, which is based on IEC 61000-4-3:2006.

⁴⁾ EN 61000-4-5 is superseded by EN 61000-4-5:2006, which is based on IEC 61000-4-5:2005.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61000-4-6 A1	2003 2004	Electromagnetic compatibility (EMC) Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	—	—
IEC 61000-4-8 A1	1993 2000	Electromagnetic compatibility (EMC) Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	EN 61000-4-8 A1	1993 2001
IEC 62310-1	2005	Static transfer systems (STS) Part 1: General and safety requirements	EN 62310-1	2005
CISPR 16-1-1	2003	Specification for radio disturbance and immunity measuring apparatus and methods Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus	EN 55016-1-1	2004
CISPR 16-1-2	– ¹⁾	Specification for radio disturbance and immunity measuring apparatus and methods + A1 Part 1-2: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Conducted disturbances	EN 55016-1-2	2004 ⁵⁾ 2005
CISPR 16-1-5	– ¹⁾	Specification for radio disturbance and immunity measuring apparatus and methods Part 1-5: Radio disturbance and immunity measuring apparatus - Antenna calibration test sites for 30 MHz to 1 000 MHz	EN 55016-1-5	2004 ⁵⁾
CISPR 22 (mod)	2005	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	EN 55022	2006

⁵⁾ Valid edition at date of issue.

Annex ZZ
(informative)

Coverage of Essential Requirements of EC Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers all relevant essential requirements as given in Article 4 of the EC Directive 89/336/EEC.

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive concerned.

WARNING: Other requirements and other EC Directives may be applicable to the products falling within the scope of this standard.

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Systèmes de transfert statique (STS) –

**Partie 2:
Exigences pour la compatibilité
électromagnétique (CEM)**

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Static transfer systems (STS) –

Part 2: [SIST EN 62310-2:2008](https://standards.iteh.ai/catalog/standards/sist/e1572321-361e-43e4-9830-ba0b6b4ca49/sist-en-62310-2-2008)

**Electromagnetic compatibility (EMC)
requirements**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

STATIC TRANSFER SYSTEMS (STS) –

Part 2: Electromagnetic compatibility (EMC) requirements

FOREWORD

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International Standard IEC 62310-2 has been prepared by subcommittee 22H: Uninterruptible Power Systems (UPS), of IEC technical committee 22: Power electronic systems and equipment.

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

FDIS	Report on voting
22H/81/FDIS	22H/86/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.

IEC 62310 consists of the following parts, under the general title *Static Transfer Systems (STS)*:

Part 1: General and safety requirements

Part 2: Electromagnetic Compatibility (EMC) requirements

Part 3: Method of specifying the performance and test requirements¹

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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¹ Under consideration.