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IRISH STANDARD

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UNINTERRUPTIBLE POWER SYSTEMS (UPS)

PART 1-2: GENERAL AND SAFETY

REQUIREMENTS FOR UPS USED IN

RESTRICTED ACCESS LOCATIONS

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English version

**Uninterruptible power systems (UPS)
Part 1-2: General and safety requirements for UPS used in
restricted access locations**

Alimentations sans interruption (ASI)
Partie 1-2: Prescriptions générales et
règles de sécurité pour les ASI
utilisables dans des locaux d'accès
restreint

Unterbrechungsfreie
Stromversorgungssysteme (USV)
Teil 1-2: Allgemeine Anforderungen und
Sicherheitsanforderungen für USV in
abgeschlossenen Betriebsräumen

This European Standard was approved by CENELEC on 1998-01-01. 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.

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and 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

This European Standard was prepared by the Technical Committee CENELEC TC 22X, Power electronics.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50091-1-2 on 1998-01-01.

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) 1998-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1998-12-01

This European Standard is to be used in conjunction with EN 60950:1992 and its amendments A1:1993, A2:1993 and A3:1995, *Safety of information technology equipment*, which is referred to in this document by "RD".

NOTE: When reference is made to RD by phrases such as "The definitions or the provisions of item/RD apply", this phrase is intended to mean that the definitions or provisions in that item of EN 60950 apply, except any which are clearly inapplicable to uninterruptible power systems for use in restricted access locations.

Inappropriate clauses within EN 60950 which relate to operator safety are not referenced, but are replaced by additional text or reference to the relevant provisions of IEC 61140 and/or IEC 60536.

This Part 1-2 of EN 50091 deals with the general and safety requirements of uninterruptible power systems, for use in restricted access locations, i.e. secure electrical switchrooms and installed, operated and maintained by skilled electrical personnel.

The relevant general and safety requirements for operator access areas are given in EN 50091-1-1:1996. EMC requirements are given in EN 50091-2:1995; performance requirements are given in ENV 50091-3:1998.

This European Standard covers the essential requirements of LVD Directive 73/23/EEC.

- NOTE The following print types are used
- requirements: in roman type;
 - test specifications: in italic type;
 - notes in small roman type
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