



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61163-1:2006

ICS 03.120.01
03.120.30
21.020

RELIABILITY STRESS SCREENING -- PART

1: REPAIRABLE ASSEMBLIES

MANUFACTURED IN LOTS (IEC

61163-1:2006 (EQV))

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61163-1

December 2006

ICS 03.120.01; 03.120.30; 21.020

English version

Reliability stress screening
Part 1: Repairable assemblies manufactured in lots
(IEC 61163-1:2006)

Déverminage sous contraintes
Partie 1: Assemblages réparables
fabriqués en lots
(CEI 61163-1:2006)

Zuverlässigkeitsvorbehandlung
durch Beanspruchung
Teil 1: Instandsetzbare Baugruppen,
losweise gefertigt
(IEC 61163-1:2006)

This European Standard was approved by CENELEC on 2006-11-01. 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, 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 56/1102/FDIS, future edition 2 of IEC 61163-1, prepared by IEC TC 56, Dependability, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61163-1 on 2006-11-01.

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) 2007-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-11-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61163-1:2006 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 60068 | NOTE Harmonized as EN 60068 (series) (not modified). |
| IEC 61014 | NOTE Harmonized as EN 61014:2003 (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 60050-191	- ¹⁾	International Electrotechnical Vocabulary (IEV) Chapter 191: Dependability and quality of service	-	-
IEC 60068-2-2	- ¹⁾	Environmental testing Part 2: Tests - Tests B: Dry heat	EN 60068-2-2	1993 ²⁾
IEC 60068-2-6	- ¹⁾	Environmental testing Part 2: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	1995 ²⁾
IEC 60068-2-14	- ¹⁾	Environmental testing Part 2: Tests - Test N: Change of temperature	EN 60068-2-14	1999 ²⁾
IEC 60068-2-29	- ¹⁾	Environmental testing Part 2: Tests - Test Eb and guidance: Bump	EN 60068-2-29	1993 ²⁾
IEC 60068-2-30	- ¹⁾	Environmental testing Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	EN 60068-2-30	2005 ²⁾
IEC 60068-2-64	- ¹⁾	Environmental testing Part 2: Test methods - Test Fh: Vibration, broad-band random (digital control) and guidance	EN 60068-2-64	1994 ²⁾
IEC 60068-2-78	- ¹⁾	Environmental testing Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2001 ²⁾
IEC 60300-2	- ¹⁾	Dependability management Part 2: Guidelines for dependability management	EN 60300-2	2004 ²⁾
IEC 61165	- ¹⁾	Application of Markov techniques	EN 61165	2006 ²⁾
IEC 61649	- ¹⁾	Goodness-of-fit tests, confidence intervals and lower confidence limits for Weibull distributed data	-	-
ISO 2041	- ¹⁾	Vibration and shock - Vocabulary	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

61163-1

Deuxième édition
Second edition
2006-06

Déverminage sous contraintes –

**Partie 1:
Assemblages réparables fabriqués en lots**

Reliability stress screening –

**Part 1:
Repairable assemblies manufactured in lots**



Numéro de référence
Reference number
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