



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60068-2-81:2003

ICS 19.040

National Standards
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ENVIRONMENTAL TESTING PART 2-81:

TESTS - TEST EI: SHOCK - SHOCK

RESPONSE SPECTRUM SYNTHESIS

(IEC 60068-2-81:2003)

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:

October 31, 2003

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EUROPEAN STANDARD

EN 60068-2-81

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2003

ICS 19.040

English version

**Environmental testing
Part 2-81: Tests –
Test Ei: Shock –
Shock response spectrum synthesis
(IEC 60068-2-81:2003)**

Essais d'environnement
Partie 2-81: Essais –
Essai Ei: Chocs –
Synthèse du spectre de réponse au choc
(CEI 60068-2-81:2003)

Umweltprüfungen
Teil 2-81: Prüfungen –
Prüfung Ei: Schocken –
Synthese des Schockantwortspektrums
(IEC 60068-2-81:2003)

This European Standard was approved by CENELEC on 2003-10-01. 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, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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

The text of document 104/306/FDIS, future edition 1 of IEC 60068-2-81, prepared by IEC TC 104, Environmental conditions, classification and methods of test, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60068-2-81 on 2003-10-01.

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) 2004-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-10-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annexes A, B, C and D are informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60068-2-81:2003 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60068-1	1988	Environmental testing Part 1: General and guidance	EN 60068-1 1)	1994
IEC 60068-2-6 + corr. March	1995 1995	Part 2: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	1995
IEC 60068-2-27	1987	Part 2: Tests - Test Ea and guidance: Shock	EN 60068-2-27	1993
IEC 60068-2-47	1999	Part 2-47: Test methods - Mounting of components, equipment and other articles for vibration, impact and similar dynamic tests	EN 60068-2-47 + corr. June	1999 2000
IEC 60068-2-57	1999	Part 2-57: Tests - Test Ff: Vibration - Time-history method	EN 60068-2-57	2000
IEC 60068-2-64 + corr. October	1993 1993	Part 2: Test methods - Test Fh: Vibration, broad-band random (digital control) and guidance	EN 60068-2-64	1994
ISO 266	1997	Acoustics - Preferred frequencies	-	-
ISO 2041	1990	Vibration and shock - Vocabulary	-	-

1) EN 60068-1 includes corrigendum October 1988 + A1:1992 to IEC 60068-1.

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60068-2-81

Première édition
First edition
2003-07

Essais d'environnement –

**Partie 2-81:
Essais – Essai Ei: Chocs –
Synthèse du spectre de réponse au choc**

Environmental testing –

**Part 2-81:
Tests – Test Ei: Shock –
Shock response spectrum synthesis**



Numéro de référence
Reference number
CEI/IEC 60068-2-81:2003

Numérotation des publications

Depuis le 1er janvier 1997, les publications de la CEI sont numérotées à partir de 60000. Ainsi, la CEI 34-1 devient la CEI 60034-1.

Editions consolidées

Les versions consolidées de certaines publications de la CEI incorporant les amendements sont disponibles. Par exemple, les numéros d'édition 1.0, 1.1 et 1.2 indiquent respectivement la publication de base, la publication de base incorporant l'amendement 1, et la publication de base incorporant les amendements 1 et 2.

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