



SLOVENSKI STANDARD

SIST EN 60068-5-2:2001

01-september-2001

Environmental testing - Part 5: Guide to drafting of test methods - Terms and definitions

Environmental testing -- Part 5: Guide to drafting of test methods - Terms and definitions

Umweltprüfungen -- Teil 5: Leitfaden für das Festlegen von Prüfverfahren - Begriffe

Essais d'environnement -- Partie 5: Guide pour la rédaction des méthodes d'essais - Termes et définitions

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Ta slovenski standard je istoveten z: **EN 60068-5-2:1999**

SIST EN 60068-5-2:2001
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ICS:

01.040.19	Preskušanje (Slovarji)	Testing (Vocabularies)
19.040	Preskušanje v zvezi z okoljem	Environmental testing

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60068-5-2

November 1999

ICS 01.040.19; 19.040

Supersedes HD 323.5.2 S1:1991

English version

Environmental testing
Part 5: Guide to drafting of test methods
Terms and definitions
(IEC 60068-5-2:1990)

Essais d'environnement
Partie 5: Guide pour la rédaction
des méthodes d'essais
Termes et définitions
(CEI 60068-5-2:1990)

Umweltprüfungen
Teil 5: Leitfaden für das Festlegen von
Prüfverfahren - Begriffe
(IEC 60068-5-2:1990)

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SIST EN 60068-5-2:2001

<https://standards.iteh.ai/catalog/standards/sist/f974d745-4e98-4bef-b2ea-a6e4ae1d9ffb/sist-en-60068-5-2-2001>

This European Standard was approved by CENELEC on 1999-10-01. 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, 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

The text of the International Standard IEC 60068-5-2:1990, prepared by IEC TC 50 (transformed into IEC TC 104 "Environmental conditions, classification and methods of test"), was approved by CENELEC as HD 323.5.2 S1 on 1991-06-25.

This Harmonization Document was submitted to the formal vote for conversion into a European Standard and was approved by CENELEC as EN 60068-5-2 on 1999-10-01.

The following date was 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) 2000-10-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60068-5-2:1990 was approved by CENELEC as a European Standard without any modification.

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SIST EN 60068-5-2:2001

<https://standards.iteh.ai/catalog/standards/sist/f974d745-4e98-4bef-b2ea-a6e4ae1d9ffb/sist-en-60068-5-2-2001>

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	series	Part 2: Tests	EN 60068-2 HD 323.2	series series
IEC 60068-3-1	1974	Part 3: Background information		
IEC 60068-3-1A	1978	Section 1: Cold and dry heat tests	EN 60068-3-1	1999
IEC 60721-1	1990	Classification of environmental conditions Part 1: Environmental parameters and their severities	EN 60721-1 ²⁾	1995
ISO/IEC Guide 2	1986	General terms and their definitions concerning standardization and related activities	EN 45020 ³⁾	1991
ISO 2041	1975	Vibration and shock - Vocabulary	-	-

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

2) EN 60721-1 includes A1:1992 to IEC 60721-1.

3) EN 45020 is superseded by EN 45020:1998, which is based on ISO/IEC Guide 2:1996.

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC
68-5-2**

Première édition
First edition
1990-12

Essais d'environnement

Partie 5:

Guide pour la rédaction des méthodes
d'essais – Termes et définitions

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Environmental testing

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Part 5:

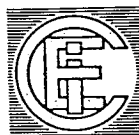
Guide to drafting of test methods –
Terms and definitions

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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CONTENTS

	Page
FOREWORD	5
INTRODUCTION	7
Clause	
1 Object	9
2 Normative references	9
3 Terminology for environmental testing	11
4 General	11
5 Shock, vibration and steady state acceleration	15
6 Climatic tests	19
7 Sealing tests	21
8 Solderability tests	23
ALPHABETICAL INDEX	27

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ENVIRONMENTAL TESTING
PART 5: GUIDE TO DRAFTING OF TEST METHODS –
TERMS AND DEFINITIONS

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

This International Standard has been prepared by IEC Technical Committee No. 50: Environmental testing.

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

Six Months' Rule	Report on Voting
50(CO)217	50(CO)222

Full information on the voting for the approval of this standard can be found in the Voting Report indicated in the above table.

INTRODUCTION

IEC 68 is applicable to the environmental testing of electrotechnical products. Its general requirements are contained in:

Part 1: General and guidance

These requirements and guidance are applicable in general to the test methods in the many booklets comprising:

Part 2: Tests

A considerable proportion of the booklets include guidance on the conduct and/or applicability of the individual test methods. Where guidance is applicable to more than one test method it may be separately published in Part 2 or be treated as "background information" and published in

Part 3: Background information

An entirely different function is performed by

Part 4: Information for specification writers.— Test summaries

which, as its title implies, has a restricted specific objective as has

Part 5: Guide to drafting of test methods

Part 5 is intended primarily for those members of National Committees, working groups, etc., who are engaged in drafting initial proposals, revisions and amendments and wish for assistance in satisfying the "IEC/ISO Rules for the drafting and presentation of International Standards" (Directives Part 3, 2nd edition 1989) and maintaining uniformity in the presentation of the individual standards.

Each standard, excluding IEC 68-3 and IEC-68-4, will contain preliminary elements (see 2.2 of IEC/ISO Rules); normative elements, both "general" (see 2.3 of IEC/ISO Rules) and "technical" (see 2.4 of IEC/ISO Rules); and supplementary elements (see 2.5 of IEC/ISO Rules).

ENVIRONMENTAL TESTING

PART 5: GUIDE TO DRAFTING OF TEST METHODS — TERMS AND DEFINITIONS

1 Object

1.1 To define terms used in the environmental testing of specimens of electrotechnical products, such as components, sub-assemblies, assemblies and equipments.

1.2 The environmental conditions for which provision is made include shock and vibration, climatic (temperature, humidity and air pressure), sealing (against ingress of solids, liquids and gasses or to maintain a pressure difference), soldering heat (including thermal shock from soldering).

1.3 Terms for fire hazard testing are not included as they are to form a part of IEC 695. The following conditions have not been considered: solar radiation, mould growth, corrosion, robustness of terminations, durability of marking, dust, sand and rain, nuclear radiation, acoustically induced vibration.

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NOTES

- 1 The scope of IEC 68 is in clause 2 of IEC 68-1. In other standards of IEC 68, clause 1 is termed the "object" clause and serves the purpose of object and field of application.
- 2 This guide uses, in principle, existing terms and definitions from IEC 68 listed according to a classification of environmental conditions that is not that of IEC 721 but is better suited to the needs of IEC 68-2 test methods.
- 3 Some definitions from specialized vocabularies, for example from ISO 2041 and IEC 721-1, have been included where there is no definition in IEC 68. This standard identifies the relation between the definitions given and those other sources.

2 Normative references

The following standards and other publications contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards and other publications listed below. Members of IEC and ISO maintain registers of current valid International Standards.

IEC 68: *Environmental testing.*

IEC 68-1: 1988, *Environmental testing. Part 1: General and guidance.*

IEC 68-2: *Environmental testing. Part 2: Tests.*

IEC 68-3-1: 1974, *Environmental testing. Part 3: Background information. Section One — Cold and dry heat tests.*