



BSI Standards Publication

## Environmental testing

---

Part 2-64: Tests — Test Fh: Vibration, broadband random and guidance

This is a preview of "BS EN 60068-2-64:200...". [Click here to purchase the full version from the ANSI store.](#)

## National foreword

This British Standard is the UK implementation of EN 60068-2-64:2008+A1:2019. It is identical to IEC 60068-2-64:2008, incorporating amendment 1:2019. It supersedes BS EN 60068-2-64:2008, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by  $\boxed{A1}$   $\langle A1 \rangle$ .

The UK participation in its preparation was entrusted to Technical Committee GEL/104, Environmental conditions, classification and testing.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2019  
Published by BSI Standards Limited 2019

ISBN 978 0 580 96032 1

ICS 19.040

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 28 February 2009.

### Amendments/corrigenda issued since publication

Date	Text affected
31 December 2019	Implementation of IEC amendment 1:2019 with CENELEC endorsement A1:2019

This is a preview of "BS EN 60068-2-64:200...". [Click here to purchase the full version from the ANSI store.](#)

## EUROPÄISCHE NORM

November 2019

ICS 19.040

English Version

Environmental testing - Part 2-64: Tests - Test Fh: Vibration,  
broadband random and guidance  
(IEC 60068-2-64:2008)

Essais d'environnement - Partie 2-64: Essais - Essai Fh:  
Vibrations aléatoires à large bande et guide  
(IEC 60068-2-64:2008)

Umgebungseinflüsse - Teil 2-64: Prüfverfahren - Prüfung  
Fh: Schwingen, Breitbandrauschen (digital geregelt) und  
Leitfaden  
(IEC 60068-2-64:2008)

This European Standard was approved by CENELEC on 2008-07-01. 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, Bulgaria, 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.



European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

This is a preview of "BS EN 60068-2-64:200...". [Click here to purchase the full version from the ANSI store.](#)

## 9i fcdYUb`Zoreword

The text of document 104/456/FDIS, future edition 2 of IEC 60068-2-64, 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 60068-2-64 on 2008-07-01.

This European Standard supersedes EN 60068-2-64:1994.

The major changes with regard to EN 60068-2-64:1994 concern the removal of Method 1 and Method 2, replaced by a single method, and replacement of Annex A with suggested test spectra and removal of Annex C.

Also included in this revision is the testing of soft packed specimens.

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) 2009-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-07-01

Annex ZA has been added by CENELEC.

## Endorsement notice

The text of the International Standard IEC 60068-2-64:2008 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 61373	NOTE	Harmonized as EN 61373:1999 (not modified).
ISO/IEC 17025	NOTE	Harmonized as EN ISO/IEC 17025:2005 (not modified).

---

## Foreword to amendment A1:2019

The text of document 104/848/FDIS, future IEC 60068-2-64/A1, prepared by IEC/TC 104 "Environmental conditions, classification and methods of test" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60068-2-64:2008/A1:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-08-13
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-11-13

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

## Endorsement notice

The text of the International Standard IEC 60068-2-64:2008/A1:2019 was approved by CENELEC as a European Standard without any modification.

This is a preview of "BS EN 60068-2-64:200...". Click here to purchase the full version from the ANSI store.

## 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 60050-300	- <sup>1)</sup>	International Electrotechnical Vocabulary - Electrical and electronic measurements and measuring instruments - Part 311: General terms relating to measurements - Part 312: General terms relating to electrical measurements - Part 313: Types of electrical measuring instruments - Part 314: Specific terms according to the type of instrument	-	
IEC 60068-1	- <sup>1)</sup>	Environmental testing - Part 1: General and guidance	EN 60068-1	1994 <sup>2)</sup>
IEC 60068-2-6	- <sup>1)</sup>	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	2008 <sup>2)</sup>
IEC 60068-2-47	2005	Environmental testing - Part 2-47: Tests - Mounting of specimens for vibration, impact and similar dynamic tests	EN 60068-2-47	2005
IEC 60068-3-8	2003	Environmental testing - Part 3-8: Supporting documentation and guidance - Selecting amongst vibration tests	EN 60068-3-8	2003
IEC 60068-5-2	- <sup>1)</sup>	Environmental testing - Part 5: Guide to drafting of test methods - Terms and definitions	EN 60068-5-2	1999 <sup>2)</sup>
IEC 60721-3	Series	Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities	EN 60721-3	Series
IEC Guide 104	- <sup>1)</sup>	The preparation of safety publications and the use of basic safety publications and group safety publications		
ISO 2041	- <sup>1)</sup>	Vibration and shock - Vocabulary	-	-

<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.