

Environmental testing —

Part 2: Test methods —

Test Z/ABDM: Climatic sequence

The European Standard EN 60068-2-61:1993 has the status of a British Standard
This Part should be read in conjunction with BS 2011-1.1:1989 General and guidance

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This British Standard, having been prepared under the direction of the General Electrotechnical Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 January 1994

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National foreword

This Part of BS EN 60068 has been prepared under the direction of the General Electrotechnical Standards Policy Committee. It is the English language version of EN 60068-2-61:1993 *Environmental testing — Part 2: Test methods — Test Z/ABDM: Climatic sequence*, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 68-2-61:1991 *Environmental testing — Part 2: Test methods — Test Z/ABDM: Climatic sequence*, published by the International Electrotechnical Commission (IEC).

This standard supersedes BS 2011-2.1Z/ABDM:1983 which will be withdrawn on 1 September 1994.

Additional information. During the development of IEC 68-2-61:1991, efforts were made by the Technical Committee, by way of National Committee comments, to ensure that its content aligned as far as possible with the existing BS 2011-2.1Z/ABDM:1983 as this is widely prescribed in existing electrical and electronic component specifications; such as the detail and generic specifications in the BS 9000 approval scheme. However, in reaching consensus some differences had to be accepted. With the exception of the two differences detailed below the Technical Committee believe that the changes made in this revision can be overcome by editorial amendment to the relevant specification.

The attention of specification writers and users is drawn to the following differences which were considered to be important by a large majority of the participating National Committees.

All components are subjected to one cycle of test Db, damp heat, cyclic, between the dry heat and the low temperature tests.

(In BS 2011-2.1Z/ABDM:1983 components in the climatic categories -/-/04 and -/-/10 were not required to be subjected to a damp heat, cyclic test.)

Following the low temperature test an interval not exceeding 72 h is permitted before proceeding to the next step which is a damp heat, cyclic, test. However, if a low air pressure test is prescribed it should be carried out within that 72 h interval. (BS 2011-2.1Z/ABDM:1983 allowed an interval not exceeding 72 h between the low temperature test and the low air pressure test and a further interval not exceeding 72 h between the low air pressure test and the damp heat, cyclic test.)

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Electricity, component, equipment, climatic test, composite test, dry heat, damp heat, low air pressure, procedures, components specification writing, equipment specification writing

English version

Environmental testing
Part 2: Test methods
Test Z/ABDM: Climatic sequence

(IEC 68-2-61:1991)

Essais d'environnement
Partie 2: Méthodes d'essai
Essai Z/ABDM: Séquence climatique
(CEI 68-2-61:1991)

Umweltprüfungen
Teil 2: Prüfverfahren
Prüfung Z/ABDM: Reihenfolge von
klimatischen Prüfungen
(IEC 68-2-61:1991)

This European Standard was approved by CENELEC on 1993-09-22. 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.

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CENELEC

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Foreword

At the request of the CENELEC Reporting Secretariat SR 50, the International Standard IEC 68-2-61:1991 was submitted to the CENELEC Unique Acceptance Procedure (UAP) for acceptance as a European Standard.

The text of the International Standard was approved by CENELEC as EN 60068-2-61 on 22 September 1993.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1994-09-01
- latest date of withdrawal of conflicting national standards (dow) 1994-09-01

Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given only for information. In this standard, Annex A and Annex B are informative and Annex ZA is normative.

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