

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

BASIC SAFETY PUBLICATION

PUBLICATION FONDAMENTALE DE SÉCURITÉ

**Environmental testing –  
Part 2-2: Tests – Test B: Dry heat**

**Essais d'environnement –  
Partie 2-2: Essais – Essai B: Chaleur sèche**





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INTERNATIONAL  
ELECTROTECHNICAL  
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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

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## ENVIRONMENTAL TESTING –

### Part 2-2: Tests – Test B: Dry heat

#### FOREWORD

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International Standard IEC 60068-2-2 has been prepared by IEC technical committee 104: Environmental conditions, classification and methods of test.

This fifth edition of IEC 60068-2-2 cancels and replaces the fourth edition issued in 1974. It includes the revised text of the fourth edition, amendment 1 issued in 1993 and amendment 2 issued in 1994.

It has the status of a basic safety publication in accordance with IEC Guide 104.

The main changes from the previous edition are as follows: Tests Ba and Bc have been deleted since they were more severe tests than Test Nb, IEC 60068-2-14: Change of temperature. Secondly it was considered justified to delete the 3 % value on the temperature difference between the chamber air and the wall temperatures. Thirdly it is proposed that the test specimen be powered throughout the test where required; and, finally, the annexes have been removed.

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

| FDIS         | Report on voting |
|--------------|------------------|
| 104/412/FDIS | 104/430/RVD      |

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

This standard has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts of the IEC 60068 series, under the general title *Environmental testing*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

## INTRODUCTION

### RELATIONSHIP OF SUFFIXES BETWEEN TESTS A: COLD, AND TESTS B: DRY HEAT

The relationship of suffixes between Tests A: Cold, and Tests B: Dry heat, is shown in the following table:

| Suffix letter | Tests A: Cold                       |                    |                | Tests B: Dry heat        |                    |                |
|---------------|-------------------------------------|--------------------|----------------|--------------------------|--------------------|----------------|
|               | Specimen type                       | Temperature change | Air velocity   | Specimen type            | Temperature change | Air velocity   |
| a             | Withdrawn                           |                    |                | Withdrawn                |                    |                |
| b             | Non heat                            | Gradual            | High preferred | Non heat                 | Gradual            | High preferred |
| c             | Withdrawn                           |                    |                | Withdrawn                |                    |                |
| d             | Heat dissipating                    | Gradual            | Low preferred  | Heat                     | Gradual            | Low preferred  |
| e             | Heat dissipating powered throughout | Gradual            | Low preferred  | Heat, powered throughout | Gradual            | Low preferred  |