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# INTERNATIONAL STANDARD



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**Environmental testing –  
Part 3-1: Supporting documentation and guidance – Cold and dry heat tests**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## ENVIRONMENTAL TESTING –

**Part 3-1: Supporting documentation and guidance –  
Cold and dry heat tests**

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IEC 60068-3-1 has been prepared by IEC technical committee 104: Environmental conditions, classification and methods of test. It is an International Standard.

This third edition cancels and replaces the second edition published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) information relating to specimen temperatures has been revised;
- b) information relating to tests of multiple specimens has been revised;
- c) the effect of air density has been added;
- d) a recommendation for corrective actions regarding IR radiation has been added;
- e) the requirements for the mounting and supports of the specimen have been revised.

The text of this International Standard is based on the following documents:

Draft	Report on voting
104/986/FDIS	104/1002/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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## ENVIRONMENTAL TESTING –

### Part 3-1: Supporting documentation and guidance – Cold and dry heat tests

#### 1 Scope

This part of IEC 60068 provides guidance regarding the performance of cold and dry heat tests.

#### 2 Normative references

~~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.~~

~~IEC 60068-1, *Environmental testing – Part 1: General and guidance*~~

~~IEC 60068-2-1, *Environmental testing – Part 2-1: Tests – Test A: Cold*~~

~~IEC 60068-2-2, *Environmental testing – Part 2-2: Tests – Test B: Dry heat*~~

There are no normative references in this document.

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Environmental testing –  
Part 3-1: Supporting documentation and guidance – Cold and dry heat tests**

**Essais d'environnement –  
Partie 3-1: Documentation d'accompagnement et recommandations – Essais de  
froid et de chaleur sèche**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**ENVIRONMENTAL TESTING –****Part 3-1: Supporting documentation and guidance –  
Cold and dry heat tests****FOREWORD**

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## **ENVIRONMENTAL TESTING –**

### **Part 3-1: Supporting documentation and guidance – Cold and dry heat tests**

#### **1 Scope**

This part of IEC 60068 provides guidance regarding the performance of cold and dry heat tests.

#### **2 Normative references**

There are no normative references in this document.

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## COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

### ESSAIS D'ENVIRONNEMENT –

#### **Partie 3-1: Documentation d'accompagnement et recommandations – Essais de froid et de chaleur sèche**

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Cette troisième édition annule et remplace la deuxième édition parue en 2011. Cette édition constitue une révision technique.

Cette édition inclut les modifications techniques majeures suivantes par rapport à l'édition précédente:

- a) les informations relatives à la température des spécimens ont été révisées;
- b) les informations relatives aux essais sur plusieurs spécimens ont été révisées;
- c) l'effet de la masse volumique de l'air a été ajouté;

- d) une recommandation concernant les actions correctives relatives aux rayonnements IR a été ajoutée;
- e) les exigences relatives au montage et aux supports des spécimens ont été révisées.

Le texte de cette Norme internationale est issu des documents suivants:

Projet	Rapport de vote
104/986/FDIS	104/1002/RVD

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à l'approbation de cette norme.

La langue employée pour l'élaboration de cette Norme internationale est l'anglais.

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## **ESSAIS D'ENVIRONNEMENT –**

### **Partie 3-1: Documentation d'accompagnement et recommandations – Essais de froid et de chaleur sèche**

#### **1 Domaine d'application**

La présente partie de l'IEC 60068 fournit des recommandations concernant l'exécution des essais de froid et de chaleur sèche.

#### **2 Références normatives**

Le présent document ne contient aucune référence normative.