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REDLINE VERSION

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Environmental testing –
Part 3-6: Supporting documentation and guidance – Confirmation of the performance of temperature/humidity chambers

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CONTENTS

FOREWORD 3
INTRODUCTION 5
1 Scope 6
2 Normative references 6
3 Terms and definitions 6
4 Measuring of performances 9
4.1 Test area environment 9
4.2 Measurement system 9
4.3 Temperature measurement system 9
4.4 Humidity measurement system 10
4.5 Temperature/humidity chamber test specimens 10
4.6 Specified location of temperature sensors and humidity sensor in working space 10
4.6.1 General 10
~~Installation of sensors~~ .....
4.6.2 Temperature sensors 11
4.6.3 Humidity sensor 12
4.7 Measurement method 12
4.7.1 General 12
4.7.2 Achieved humidity 12
4.7.3 Temperature/humidity stabilization 13
4.7.4 Humidity fluctuation 13
4.7.5 Humidity gradient 14
4.7.6 Humidity variation in space 15
4.8 Standard humidity sequence 16
5 Information to be given in the performance test report 18
~~Determination of humidity performance~~ .....
~~Evaluation criteria~~ .....
Bibliography 19

Figure 1 – Example of humidity differences 8
Figure 2 – Working space 9
Figure 3 – Location sensors for temperature/humidity chambers up to 2 000 l 11
Figure 4 – Location of minimal additional sensors for temperature/humidity chambers over 2 000 l 11
Figure 5 – Example of achieved humidity 12
Figure 6 – Example of temperature/humidity stabilization 13
Figure 7 – Example of humidity fluctuation 14
Figure 8 – Example of humidity gradient for chambers up to 2 000 l 15
Figure 9 – Example of humidity variation in space for chambers up to 2000 l 16
Figure 10 – Example of climatogram 17

Table 1 – Practical dimensions 9
Table 2 – Example of test sequence 17

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ENVIRONMENTAL TESTING –

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FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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This Redline version is not an official IEC Standard and is intended only to provide the user with an indication of what changes have been made to the previous version. Only the current version of the standard is to be considered the official document.

This Redline version provides you with a quick and easy way to compare all the changes between this standard and its previous edition. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

International Standard IEC 60068-3-6 has been prepared by IEC technical committee 104: Environmental conditions, classification and methods of test.

This second edition cancels and replaces the first edition published in 2001. This edition constitutes a technical revision.

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

a) Confirmation procedures are clarified.

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

FDIS	Report on voting
104/760/FDIS	104/779/RVD

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

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

IEC 60068-3-6 is to be read in conjunction with IEC 60068-3-5:2001 and IEC 60068-3-7:2001.

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

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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INTRODUCTION

IEC 60068 (all parts) contains fundamental information on environmental testing procedures and severities.

The expression "environmental conditioning" or "environmental testing" covers the natural and artificial environments to which components or equipment may be exposed so that an assessment can be made of their performance under conditions of use, transport and storage to which they may be exposed in practice.

Temperature and humidity chambers used for "environmental conditioning" or "environmental testing" are not described in any publication, although the method of maintaining and measuring temperature and/or humidity has a great influence on test results. The physical characteristics of temperature and humidity chambers can also influence test results.

ENVIRONMENTAL TESTING –

Part 3-6: Supporting documentation and guidance – Confirmation of the performance of temperature/humidity chambers

1 Scope

This part of IEC 60068 provides a uniform and reproducible method of confirming that temperature and humidity test chambers, without ~~load~~ specimens, conform to the requirements specified in climatic test procedures ~~contained in~~ of IEC 60068-2 (all parts). This document is ~~destined~~ intended for users when conducting regular chamber performance monitoring.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60068-3-4, *Environmental testing – Part 3-4: Supporting documentation and guidance – Damp heat tests*~~

IEC 60068-3-5:2001, *Environmental testing – Part 3-5: Supporting documentation and guidance – Confirmation of the performance of temperature chambers*

IEC 60068-3-7:2001, *Environmental testing – Part 3-7: Supporting documentation and guidance – Measurements in temperature chambers for tests A and B (with load)*

IEC 60068-3-11, *Environmental testing – Part 3-11: Supporting documentation and guidance – Calculation of uncertainty of conditions in climatic test chambers*

~~IEC 60584-1, *Thermocouples – Part 1: Reference tables*~~

~~IEC 60751, *Industrial platinum resistance, thermometer sensors*~~

~~ISO 10012-1, *Quality assurance requirements for measuring equipment – Part 1: Metrological confirmation system for measuring equipment*~~

~~ISO 10012-2, *Quality assurance for measuring equipment – Part 2: Guidelines for control of measurement processes*~~

~~ISO 4677-1, *Atmospheres for conditioning and testing – Determination of relative humidity – Part 1: Aspirated psychrometer method*~~

~~ISO *(unnumbered), Guide to the Expression of Uncertainty in Measurement*~~

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INTERNATIONAL STANDARD

Environmental testing – Part 3-6: Supporting documentation and guidance – Confirmation of the performance of temperature/humidity chambers



IEC 60068-3-6:2018-01(en)

CONTENTS

FOREWORD 3
INTRODUCTION 5
1 Scope 6
2 Normative references 6
3 Terms and definitions 6
4 Measuring of performances 9
4.1 Test area environment 9
4.2 Measurement system 9
4.3 Temperature measurement system 9
4.4 Humidity measurement system 9
4.5 Temperature/humidity chamber test specimens 10
4.6 Specified location of temperature sensors and humidity sensor in working space 10
4.6.1 General 10
4.6.2 Temperature sensors 11
4.6.3 Humidity sensor 11
4.7 Measurement method 11
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4.7.3 Temperature/humidity stabilization 12
4.7.4 Humidity fluctuation 12
4.7.5 Humidity gradient 13
4.7.6 Humidity variation in space 14
4.8 Standard humidity sequence 15
5 Information to be given in the performance test report 16
Bibliography 17

Figure 1 – Example of humidity differences 8
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Figure 3 – Location sensors for temperature/humidity chambers up to 2 000 l 10
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A bilingual version of this publication may be issued at a later date.

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IEC 60068-3-11, *Environmental testing – Part 3-11: Supporting documentation and guidance – Calculation of uncertainty of conditions in climatic test chambers*