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TECHNICAL REPORT

Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 2: Environmental conditions

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CONTENTS

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HOME AND BUILDING ELECTRONIC SYSTEMS (HBES) AND BUILDING AUTOMATION AND CONTROL SYSTEMS (BACS) –

Part 2: Environmental conditions

FOREWORD

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IEC TR 63044-2 has been prepared by IEC technical committee 23: Electrical accessories. It is a Technical Report.

The text of this Technical Report is based on the following documents:

Draft	Report on voting
23/983/DTR	23/999/RVDTR

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 Technical Report 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. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts in the IEC 63044 series, published under the general title *Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)*, 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 webstore.iec.ch in the data related to the specific document. At this date, the document will be

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- withdrawn,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

INTRODUCTION

The IEC 63044 series deals with developing and testing home and building electronic systems (HBES) and building automation and control systems (BACS).

The expression HBES/BACS covers any combination of HBES and/or BACS devices including their separate connected/detachable devices linked together via one or more networks.

This document applies to HBES/BACS devices and defines the environmental conditions in which these devices are to be used when so declared by the manufacturer.

HOME AND BUILDING ELECTRONIC SYSTEMS (HBES) AND BUILDING AUTOMATION AND CONTROL SYSTEMS (BACS) –

Part 2: Environmental conditions

1 Scope

This part of IEC 63044 provides the environmental conditions for HBES/BACS devices, when declared in the manufacturer's documentation for use in one or more of the environment classes as defined in Clause 6 of this document.

This document focuses on the following environmental conditions:

– climatic environmental conditions,

– chemical environmental conditions,

– mechanical environmental conditions,

– biological environmental conditions.

This document does not supersede the relevant product standard, if any, and applies only in addition to the relevant products standard when it is referred to in the manufacturer's documentation. It is intended to support the particular manufacturer's declaration or any agreement on environmental conditions between customer and manufacturer.

This document is not intended to give guidance on requirements and tests for the drafting of product standards.

The document provides an overview of environmental conditions for devices operating in weather-protected and non-weather-protected locations, ship environments, portable use and also for storage and transport.

2 Normative references

There are no normative references in this document.