

Home and Building Electronic Systems (HBES) and
Building Automation and Control Systems (BACS) - Part
1: General requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

| | |
|---|--|
| See Eesti standard EVS-EN 63044-1:2017 sisaldab Euroopa standardi EN 63044-1:2017 ingliskeelset teksti. | This Estonian standard EVS-EN 63044-1:2017 consists of the English text of the European standard EN 63044-1:2017. |
| Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas | This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation. |
| Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 28.04.2017. | Date of Availability of the European standard is 28.04.2017. |
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English Version

**Home and Building Electronic Systems (HBES) and Building
Automation and Control Systems (BACS) -
Part 1: General requirements
(IEC 63044-1:2017)**

Systèmes Electroniques pour les Foyers Domestiques et
les Bâtiments (HBES) et Systèmes de Gestion Technique
du Bâtiment (SGTB) - Partie 1: Exigences générales
(IEC 63044-1:2017)

Allgemeine Anforderungen an die Elektrische
Systemtechnik für Heim und Gebäude (ESHG) und an
Systeme der Gebäudeautomation (GA) -
Teil 1: Allgemeine Anforderungen
(IEC 63044-1:2017)

This European Standard was approved by CENELEC on 2017-03-03. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 23/734/CDV, future edition 1 of IEC 63044-1, prepared by IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 63044-1:2017.

The following dates are fixed:

- latest date by which the document has to be (dop) 2017-12-03
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2018-03-03
standards conflicting with the
document have to be withdrawn

This document supersedes EN 50491-1:2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 63044-1:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

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|---------------|------|-----------------------------|
| IEC 62820-1-1 | NOTE | Harmonized as EN 62820-1-1. |
| IEC 62949 | NOTE | Harmonized as EN 62949. |
| IEC 63044-3 | NOTE | Harmonized as EN 63044-3. |
| IEC 63044-5-1 | NOTE | Harmonized as EN 63044-5-1. |
| IEC 63044-5-2 | NOTE | Harmonized as EN 63044-5-2. |
| IEC 63044-5-3 | NOTE | Harmonized as EN 63044-5-3. |

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

Part 1: General requirements

1 Scope

This part of IEC 63044 applies to all Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) and specifies the general requirements for these systems and products.

This document is applicable (but not limited) to

- operator stations and other human–system interface devices,
- devices for management functions,
- control devices, automation stations and application specific controllers,
- field devices and their interfaces, and
- cabling and interconnection of devices

used within a dedicated HBES/BACS network.

This document provides an overview of the IEC 63044 series.

To enable integration of a wide spectrum of applications, the IEC 63044 series covers

- electrical safety,
- functional safety,
- environmental conditions,
- EMC requirements, and
- installation and cabling rules and topologies.

IEC 63044 is a series of product family standards

2 Normative references

There are no normative references in this document.

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>