



NSAI
Standards

Irish Standard
I.S. EN 63044-1:2017

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

I.S. EN 63044-1:2017

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN 63044-1:2017 is the adopted Irish version of the European Document EN 63044-1:2017, Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 1: General requirements

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EUROPEAN STANDARD

EN 63044-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2017

ICS 29.120.01; 29.120.99

Supersedes EN 50491-1:2014

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)

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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

EN 63044-1:2017**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
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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

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



IEC 63044-1

Edition 1.0 2017-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Systèmes Electroniques pour les Foyers Domestiques et les Bâtiments (HBES)
et Systèmes de Gestion Technique du Bâtiment (SGTB) –
Partie 1: Exigences générales**



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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IEC 63044-1

Edition 1.0 2017-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Systèmes Electroniques pour les Foyers Domestiques et les Bâtiments (HBES)
et Systèmes de Gestion Technique du Bâtiment (SGTB) –
Partie 1: Exigences générales**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOME AND BUILDING ELECTRONIC SYSTEMS (HBES) AND
BUILDING AUTOMATION AND CONTROL SYSTEMS (BACS) –****Part 1: General requirements**

FOREWORD

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International Standard IEC 63044-1 has been prepared by IEC technical committee 23: Electrical accessories.

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

CDV	Report on voting
23/734/CDV	23/746/RVC

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.

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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:

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