

SLOVENSKI STANDARD SIST EN ISO 16484-2:2025

01-april-2025

Sistemi za avtomatizacijo in nadzor stavb - 2. del: Strojna oprema (ISO 16484-2:2025)

Building automation and control systems (BACS) - Part 2: Hardware (ISO 16484-2:2025)

Systeme der Gebäudeautomation - Teil 2: Hardware (ISO 16484-2:2025)

Systèmes d'automatisation et de contrôle des bâtiments (BACS) - Partie 2: Matériel (ISO 16484-2:2025)

Ta slovenski standard je istoveten z: EN ISO 16484-2:2025

SIST EN ISO 16484-2:2025

ICS:

91.140.01 Napeljave v stavbah na Installations in buildings in

splošno general

97.120 Avtomatske krmilne naprave Automatic controls for

za dom household use

SIST EN ISO 16484-2:2025 en,fr,de

iTeh Standards (https://standards.iteh.ai) Document Preview

SIST EN ISO 16484-2:2025

https://standards.iteh.ai/catalog/standards/sist/3327b25c-4a2d-4d11-87eb-2b7cb6de78fd/sist-en-iso-16484-2-2025

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 16484-2

February 2025

ICS 91.040.01; 35.240.67

Supersedes EN ISO 16484-2:2004

English Version

Building automation and control systems (BACS) - Part 2: Hardware (ISO 16484-2:2025)

Systèmes d'automatisation et de contrôle des bâtiments (BACS) - Partie 2: Matériel (ISO 16484-2:2025) Systeme der Gebäudeautomation - Teil 2: Hardware (ISO 16484-2:2025)

This European Standard was approved by CEN on 20 January 2025.

CEN 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 CEN 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 CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

SIST EN ISO 16484-2:2025

https://standards.iteh.ai/catalog/standards/sist/3327b25c-4a2d-4d11-87eb-2b7cb6de78fd/sist-en-iso-16484-2-2024



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 16484-2:2025 (E)

Contents	Page
European foreword	

iTeh Standards (https://standards.iteh.ai) Document Preview

SIST EN ISO 16484-2:2025

https://standards.iteh.ai/catalog/standards/sist/3327b25c-4a2d-4d11-87eb-2b7cb6de78fd/sist-en-iso-16484-2-2025

European foreword

This document (EN ISO 16484-2:2025) has been prepared by Technical Committee ISO/TC 205 "Building environment design" in collaboration with Technical Committee CEN/TC 247 "Building Automation, Controls and Building Management" the secretariat of which is held by SNV.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2025, and conflicting national standards shall be withdrawn at the latest by August 2025.

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

This document supersedes EN ISO 16484-2:2004.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 16484-2:2025 has been approved by CEN as EN ISO 16484-2:2025 without any modification.

https://standards.itell.ai/catalog/standards/sist/3327b25c-4a2d-4d11-87eb-2b7cb6de78fd/sist-en-iso-16484-2-2025

iTeh Standards (https://standards.iteh.ai) Document Preview

SIST EN ISO 16484-2:2025

https://standards.iteh.ai/catalog/standards/sist/3327b25c-4a2d-4d11-87eb-2b7cb6de78fd/sist-en-iso-16484-2-2025



International **Standard**

ISO 16484-2

Second edition

2025-01

Building automation and control systems (BACS) —

Part 2:

Hardware

iTeh Standards

Systèmes d'automatisation et de contrôle des bâtiments (BACS) —

Partie 2: Matériel

https://standards.iteh.ai/catalog/standards/sist/3327b25c-4a2d-4d11-87eb-2b7cb6de78fd/sist-en-iso-16484-2-2025

Document Preview

ISO 16484-2:2025(en)

iTeh Standards (https://standards.iteh.ai) Document Preview

SIST EN ISO 16484-2:2025

https://standards.iteh.ai/catalog/standards/sist/3327b25c-4a2d-4d11-87eb-2b7cb6de78fd/sist-en-iso-16484-2-2025



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Email: copyright@iso.org Website: www.iso.org

Published in Switzerland

ISO 16484-2:2025(en)

Contents		Page	
For	Foreword		
1	Scop	е	1
2	Norn	native references	1
3	Terms and definitions		
4	Abbreviated terms		
5	BACS 5.1	Features catalogue BACS components 5.1.1 Hardware components 5.1.2 System configuration 5.1.3 Basic hardware performance criteria	7 7 7
	5.2	Building management 5.2.1 General 5.2.2 Devices for data processing, storage and archiving 5.2.3 Management stations and operating units 5.2.4 Data interface unit (DIU)	8 8 9
	5.3	Control devices 5.3.1 General 5.3.2 Edge device — Tasks 5.3.3 Automation station	9 9
	5.4	Sensors and actuators	11
	5.5 5.6	Local override/indication device — Task and use	12
6	6.1	logy Topology Topolog	12
	6.2	System communication	
		6.2.1 General Preview	
		6.2.2 Cyber security	13
		6.2.3 Data security	
		6.2.4 Human interaction 181 BN 180 10484-2:2023	
		0.2.5 Storage and analysis of data	
		6.2.6 Cloud to cloud communication	
		6.2.7 Wireless networks	14
Bib	liograph	y	15

ISO 16484-2:2025(en)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 205, *Building environment design*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 247, *Building Automation, Controls and Building Management*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 16484-2:2004), which has been technically revised.

The main changes are as follows:

- overall structure of document has been updated;
- Clause 1, Clause 2 and Clause 3 have been revised;
- technical content throughout the document has been modified and updated.

A list of all parts in the ISO 16484 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.