SLOVENSKÁ TECHNICKÁ NORMA

| | **Automatizácia v budovách a riadiace systémy (BACS) Časť 5: Dátový komunikačný protokol (ISO 16484-5: 2017/Amd 1: 2020) Zmena A1** | **STN EN ISO 16484-5/A1** |
| STN | | 74 7400 |

Building automation and control systems (BACS) - Part 5: Data communication protocol (ISO 16484-5:2017)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/20

Obsahuje: EN ISO 16484-5:2017/A1:2020, ISO 16484-5:2017/Amd 1:2020

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 16484-5:2017/A1

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ICS 35.240.67; 91.040.01

English Version

Building automation and control systems (BACS) - Part 5: Data communication protocol - Amendment 1 (ISO 16484-5:2017/Amd 1:2020)

Systèmes d'automatisation et de gestion technique du bâtiment - Partie 5: Protocole de communication de données - Amendement 1 (ISO 16484-5:2017/Amd 1:2020)

This amendment A1 modifies the European Standard EN ISO 16484-5:2017; it was approved by CEN on 18 April 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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 amendment 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.

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

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European foreword

This document (EN ISO 16484-5:2017/A1:2020) 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 Amendment to the European Standard EN ISO 16484-5:2017 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2020, and conflicting national standards shall be withdrawn at the latest by November 2020.

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.

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, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 16484-5:2017/Amd 1:2020 has been approved by CEN as EN ISO 16484-5:2017/A1:2020 without any modification.

INTERNATIONAL STANDARD

ISO 16484-5

Sixth edition
2017-05
AMENDMENT 1
2020-04

Building automation and control systems (BACS) —

Part 5:
Data communication protocol
AMENDMENT 1

Systèmes d'automatisation et de gestion technique du bâtiment —
Partie 5: Protocole de communication de données
AMENDEMENT 1

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 documents should be noted. International Standards are drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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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 environmental 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).

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.

(This foreword is not part of the standard. It is merely informative and does not contain requirements necessary for conformance to the standard.)

<div align="center">FOREWORD</div>

The purpose of this addendum is to add several independent substantive changes to the BACnet standard. The changes are summarized below.

135-2016bd-1. Add Staging Object Type.
135-2016be-1. Add Lighting BIBBS and Device Profiles.
135-2016bi -1. Add Audit Reporting.
135-2016bi -2. Change DeviceCommunicaitonControlService for Audit Reporting.
135-2016bi -3. Modify Logging Objects to Allow for Extremely Large Logs.
135-2016bk -1. Expand the reserved range of BACnetPropertyIdentifier.
135-2016bl - 1. Clarify Result(-) response for failed WritePropertyMultiple requests.
135-2016bl - 2. Clarify ReadPropertyMultiple response on OPTIONAL when empty.
135-2016bl - 3. Clarify Out_Of_Service.
135-2016bm-1. Reduce allowed range for Usage Timeout.
135-2016bm-2. Specify design choices for MS/TP devices.
125-2016bm-3. Handle unwanted MS/TP frames in IDLE state.
135-2016bn-1. Make SCHED BIBBs consistent on supported datatypes, and add BOOLEAN.
135-2016bn-2. Clarify COV and COVP related BIBBs.
135-2016bn-3. Clock is required for support of AE-ACK-A.
135-2016bp-1. Make rules for POST consistent with rules for PUT.
135-2016bp-2. Make 'type' consistent at all levels and introduce 'effectiveType'.
135-2016bp-3. Fully specify the behavior of "includes".
135-2016bp-4. Remove the path syntax from the 'select' query parameter.
135-2016bp-5. Resolve conflicting statements about configuring external authorization servers.
135-2016bp-6. Remove incorrect table for callback formats.
135-2016bp-7. Allow plain text POSTs for primitive data.
135-2016bp-8. Allow extended error numbers.
135-2016bp-9. Add new error numbers.
135-2016bp-10. Add formal definition for JSON equivalent to XML's <CSML>.
135-2016bp-11. Specify 'name' safety check for setting data.
135-2016bp-12. Specify how to evaluate relative paths for collections of links.
135-2016bp-13. Allow proprietary categories for the 'metadata' query.
135-2016bq-1. Fix the Absentee_Limit property of the Access Credential object type.
135-2016bq-2. Ensure that the denied or granted access event is generated last.

In the following document, language to be added to existing clauses of EN ISO 16484-5 and Addenda is indicated through the use of *italics*, while deletions are indicated by ~~strikethrough~~. Where entirely new subclauses are proposed to be added, plain type is used throughout.

The use of placeholders like X, Y, Z, X1, X2, etc., should not be interpreted as literal values of the final standard. These placeholders will be assigned actual numbers/letters only with incorporation of this addendum into the standard for republication.

<div align="center" style="color:red; font-size:2em;">koniec náhľadu – text ďalej pokračuje v platenej verzii STN</div>