Home and Building Electronic Systems (HBES) - Part 6-3: 3rd Party HBES IoT API

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 50090-6-3:2023 sisaldab Euroopa standardi EN 50090-6-3:2023 ingliskeelset teksti.	This Estonian standard EVS-EN 50090-6-3:2023 consists of the English text of the European standard EN 50090-6-3:2023.
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 and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 07.07.2023.	Date of Availability of the European standard is 07.07.2023.
Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 35.240.67, 97.120

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50090-6-3

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ICS 35.240.67; 97.120

English Version

Home and Building Electronic Systems (HBES) - Part 6-3: 3rd Party HBES IoT API

Systèmes électroniques pour les foyers domestiques et les
bâtiments (HBES) - Partie 6-3 : API tierce IdO HBES

Elektrische Systemtechnik für Heim und Gebäude (ESHG) -
Teil 6-3: Drittanbieter ESGH IoT API

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CENELEC

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

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Contents

European foreword

This document (EN 50090-6-3:2023) has been prepared by CLC/TC 205 "Home and Building Electronic Systems (HBES)".

The following dates are fixed:

•	latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2024-01-07
•	latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2026-07-07

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

1 Scope

This document defines a 3rd Party API for the Home and Building HBES Open Communication System.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50090-1:2011, *Home and Building Electronic Systems (HBES) - Part 1: Standardization structure*

EN 50090-3-3, *Home and Building Electronic Systems (HBES) - Part 3-3: Aspects of application - HBES Interworking model and common HBES data types*

EN 50090-6-2, *Home and Building Electronic Systems (HBES)- Part 6-2 IoT Semantic Ontology model description*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 50090-1:2011 and the following apply.

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

— IEC Electropedia: available at https://www.electropedia.org/

— ISO Online browsing platform: available at https://www.iso.org/obp

3.1.1
actuator
point performing an *actuation* (executed by a specific *procedure,* with an expected *result*) that changes an Installation state during Runtime

Note 1 to entry:

— The term Actuator can be mapped to sosa:Actuator in the SSN Ontology.

— The subject *actuation* can be mapped to sosa:Actuation in the SSN Ontology.

— The subject *procedure* can be mapped to sosa:Procedure in the SSN Ontology.

— The subject *result* can be mapped to sosa:Result in the SSN Ontology.

3.1.2
Application Function
function that uses a set of Functions to achieve the desired behaviour of a technical system, typically using a combination of devices exchanging information via their input and output Datapoints

Note 1 to entry: An Application Function may be split into several Functional Blocks with their input and output Datapoints that are logically connected to each other. The Functional Blocks may be located in one or more devices.

EXAMPLE   Application Functions examples are "direct electrical heating", "electrical heating with accumulators", "warm water heating", "fan coil air-conditioning" …