



**SLOVENSKI STANDARD**  
**SIST-TP CEN/TR 18081:2024**

**01-september-2024**

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**Avtomatizacija stavb, regulacija in upravljanje stavb - Pametna stavba - Opis in vidiki**

Building automation, controls and building management - Smart Building - Description and Aspects

Gebäudeautomation und Gebäudemanagement - Intelligentes Gebäude - Beschreibung und Aspekte

Automatisation, la régulation et la gestion technique du bâtiment - Bâtiments intelligent et aspects

**Ta slovenski standard je istoveten z: CEN/TR 18081:2024**

[SIST-TP CEN/TR 18081:2024](https://standards.sist.si/standard/sist-tp-cen/tr-18081-2024)

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**ICS:**

35.240.67	Uporabniške rešitve IT v gradbeništvu	IT applications in building and construction industry
91.040.01	Stavbe na splošno	Buildings in general
97.120	Avtomatske krmilne naprave za dom	Automatic controls for household use

**SIST-TP CEN/TR 18081:2024**

**en,fr,de**



TECHNICAL REPORT

CEN/TR 18081

RAPPORT TECHNIQUE

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ICS 91.040.01; 97.120; 35.240.67

English Version

## Building automation, controls and building management - Smart building - Description and aspects

Automatisation, la régulation et la gestion technique du  
bâtiment - Bâtiments intelligents - Descriptions et  
aspects

Gebäudeautomation und Gebäudemanagement -  
Intelligentes Gebäude - Beschreibung und Aspekte

This Technical Report was approved by CEN on 30 June 2024. It has been drawn up by the Technical Committee CEN/TC 247.

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

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## **European foreword**

This document (CEN/TR 18081:2024) has been prepared by Technical Committee CEN/TC 247 “Building Automation, Controls and Building Management” the secretariat of which is held by SNV.

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.

CEN/TC 247, “Building Automation, Controls and Building Management” - in collaboration with CLC/TC 205 “Home and Building Electronic Systems (HBES)” - has prepared this document to create a report in which the view of both CEN/TC 247 as well as CLC/TC 205 on the aspect of smart buildings is documented.

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

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## CEN/TR 18081:2024 (E)

### Introduction

The use of a building changes over its lifespan and adapts to the changing usage and functional expectations of the users regarding desired comfortable shelter, living and/or working space.

This can relate to:

- building structure;
- building operation;
- energy efficiency;
- maintenance and fault prediction;
- comfort;
- convenience;
- health and wellbeing;
- information to occupants;
- energy flexibility and storage.

The goal of integrating building automation control systems is to ensure maximum cost-neutrality and environmental compatibility for the owner over the entire service life of a building. If this goal is fulfilled for a specific building, then this building would be regarded as “smart”.

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