

ICS 35.200
CCS L 65



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 46455-2025

**Information technology - Interconnection of information
technology equipment - Evaluation parameter system and
methods of smart home system**

信息技术 信息设备互连 智能家居系统评价参数体系和评价方法

Issued on: October 5, 2025

Implemented on: February 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents". Drafting.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Information Technology Standardization Technical Committee (SAC/TC28).

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Information technology and interconnection of information devices Evaluation Parameter System and Evaluation Methods for Smart Home Systems

1 Scope

This document establishes an evaluation parameter system for the interoperability of smart home systems, including functionality, performance, compatibility, ease of use, reliability, and security.

The equivalence evaluation parameters describe the corresponding evaluation methods.

This document applies to the evaluation of the interoperability of smart home systems.

2 Normative references

GB/T 46456.1-2025

3 Terms and Definitions

The terms and definitions defined in GB/T 46456.1-2025, as well as the following terms and definitions, apply to this document.

3.1 Smart home system

This technology enables interconnection of terminals within the home, providing smart home users with terminals, networks, service platforms, and applications for their home life.

The general term for programs.

[Source. GB/T 39579-2020, 3.1, with modifications]

3.2 terminal

A general term for smart home actuators, smart home control devices, and smart home gateway devices.

Note 1. As an example, smart home devices such as smart TVs, smart refrigerators, smart washing machines, gateways, smart speakers, and smart lights are included in the scope of this document. terminal.

Note 2. "Smart home actuator" is abbreviated as "actuator", "smart home control device" is abbreviated as "control device", and "smart home gateway device" is abbreviated as "gateway".

3.3 application client

Application service software that provides users with access service platform functions.

[Source. GB/T 37723-2019, 2.9]

4 Abbreviations

The following abbreviations apply to this document. App. Application