

ICS 35.100.05
CCS L79



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

GB/T 43862-2024

**Technical requirements of smart television interactive
application interface**

智能电视交互应用接口技术要求

Issued on: April 25, 2024

Implemented on: November 1, 2024

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

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Foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents"

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Technical requirements for smart TV interactive application interface

1 Scope

GB/T 43862-2024 sets the technical requirements for the interactive application interface of a smart television. The Chinese smart TV market is served by several competing platforms, and an application developer facing a different interface on each cannot economically support them all, which is what this standard exists to fix. It describes the interactive application interface and then defines the interface model and the interfaces themselves: the media playback and control interfaces, the access to tuner, channel and programme information, the interfaces to the display, audio and rendering capabilities, the user input and remote control events, the storage, network and device capability queries, the account and payment interfaces, and the security and permission model that governs what an application may reach. For an application developer, a set-maker or a platform operator in the Chinese television market, this is the interface contract. It takes effect on 1 November 2024.

This document specifies the logical architecture and interaction of the interactive application interface between smart TVs and mobile smart terminals, personal computers and other devices: Application process: This document applies to the design of interactive application interfaces between smart TVs and other devices:

2 Normative references

This document has no normative references:

3 Terms and definitions

The following terms and definitions apply to this document: 3:

1 Smart TVsmarttelevision It has an operating system, can install and uninstall application software, has one or more human-computer interaction methods, and is connected to the Internet or other networks: A TV terminal that implements network services and can expand other applications or businesses: 3:

2 It can realize a series of operations such as transmission, sharing, analysis, display and control of multimedia content and control information between different terminal devices: Application interface: 3:

3 Third-party device A device that can interact with a smart TV:

Note: Including mobile smart terminals, personal computers, etc:

4 Abbreviations

The following abbreviations apply to this document: IP: Internet Protocol TS: Transport Stream

5 Interactive Application Interface Description

Smart TVs should have one or more interactive application interfaces to enable multimedia content interaction between smart TVs and different terminals: For interaction with control, the relevant interface functions shall comply with the provisions of Table 1:

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