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BSI Standards Publication

Smart television

Part 2: Framework of integrated service on smart television

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National foreword

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A list of organizations represented on this committee can be obtained on request to its secretary.

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Smart television –
Part 2: Framework of integrated service on smart television

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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IEC/TR 63122-2, which is a technical report, has been prepared by subcommittee TA 1: Terminals for audio, video and data services and contents, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
100/2904/DTR	100/3054/RVDTR

Full information on the voting for the approval of this technical report can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 63122 series, published under the general title *Smart television*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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INTRODUCTION

This Technical Report is formulated based on the current state of the industrialization of smart television and regards open innovation, vertical integration of chain and in-depth incorporation of technology and service as fundamental principles. The intention of this document is to strengthen the innovation of smart television in terms of technology, service mode and system mechanism, to advance compatibility of smart television products, and to speed up the expansion of the application market, thereby putting forward a relevant conceptual model and standardized demand for smart television. This document applies to guide service operations and service mode implementation of smart television.

SMART TELEVISION –

Part 2: Framework of integrated service on smart television

1 Scope

This part of IEC 63122 specifies the service pattern conceptual model and standardized demand of smart television, illustrates the terms and related to smart television, and describes service reference model of smart television, the reference model of the service pattern as well as interfaces between various platforms.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

3.1
smart television service
general designation of many services provided to users through networks that support live broadcast of interactive television programmes, on-demand multimedia content and various interactive application programs

3.2
smart television service operation platform
platform built, maintained and managed by the service provider in the mode of smart television partnership operations and which is responsible for the electronic programme list service, content distribution, etc.

3.3
operations and maintenance support system
service management platform interacted with service management system is used to complete business service information inquiry and related management.

4 Reference model of smart television service

4.1 Description of general smart television service

4.1.1 General

This document specifies various service industry models, various service descriptions and management system frameworks for smart television services, and offers technical guidance and standard specifications for the development and progress of smart television services. This document also specifies data models and technical definitions of smart television services and puts forward a technical specification for the purpose of further specifying a