

# ITU-T

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

## J.207

(07/2019)

SERIES J: CABLE NETWORKS AND TRANSMISSION  
OF TELEVISION, SOUND PROGRAMME AND OTHER  
MULTIMEDIA SIGNALS

Application for Interactive Digital Television - Part 1

---

### **Specification for an integrated broadcast and broadband digital television application control framework**

Recommendation ITU-T J.207



# Recommendation ITU-T J.207

## Specification for an integrated broadcast and broadband digital television application control framework

### Summary

In accordance with Recommendation ITU-T J.205, and based on the viewpoint of architecture defined in Recommendation ITU-T J.206, Recommendation ITU-T J.207 provides guidance for administrations and entities who intend to provide integrated broadcast-broadband digital television (DTV) services and solutions. This Recommendation also defines high-level application programming interfaces (APIs) that are required to implement an application control framework for DTV-enabled devices. This framework is responsible for managing, integrating and controlling the interactive content and applications available through DTV services installed by the end user or embedded by the device manufacturer and providing a unified execution environment for them.

### History

| Edition | Recommendation | Approval   | Study Group | Unique ID*                                                                |
|---------|----------------|------------|-------------|---------------------------------------------------------------------------|
| 1.0     | ITU-T J.207    | 2016-03-15 | 9           | <a href="http://handle.itu.int/11.1002/1000/12768">11.1002/1000/12768</a> |
| 2.0     | ITU-T J.207    | 2018-03-16 | 9           | <a href="http://handle.itu.int/11.1002/1000/13561">11.1002/1000/13561</a> |
| 3.0     | ITU-T J.207    | 2019-07-29 | 9           | <a href="http://handle.itu.int/11.1002/1000/13968">11.1002/1000/13968</a> |

### Keywords

BT.2075, IBB systems, J.207.

---

\* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

## FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

## NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

## INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

© ITU 2019

All rights reserved. No part of this publication may be reproduced, by any means whatsoever, without the prior written permission of ITU.

## Table of Contents

|   |                                                           | Page |
|---|-----------------------------------------------------------|------|
| 1 | Scope.....                                                | 1    |
| 2 | References.....                                           | 1    |
| 3 | Definitions .....                                         | 1    |
|   | 3.1 Terms defined elsewhere .....                         | 1    |
|   | 3.2 Terms defined in this Recommendation.....             | 1    |
| 4 | Abbreviations and acronyms .....                          | 1    |
| 5 | Conventions .....                                         | 2    |
| 6 | The IBB DTV systems.....                                  | 2    |
| 7 | Service capabilities of the IBB DTV systems .....         | 2    |
|   | 7.1 Items to be considered .....                          | 2    |
|   | 7.2 Consideration on service capabilities .....           | 2    |
| 8 | Technical elements of the IBB DTV systems.....            | 2    |
|   | 8.1 Items to be considered .....                          | 2    |
|   | 8.2 Consideration on technical elements .....             | 2    |
|   | Appendix I – Summary of Recommendation ITU-R BT.2075..... | 3    |
|   | Bibliography.....                                         | 5    |