



Recommendation ITU-R BT.2055-1
(07/2018)

**Content elements in multimedia
broadcasting systems for mobile reception**

BT Series
Broadcasting service
(television)



International
Telecommunication
Union
Documents
Document Sharing Hub

Foreword

The role of the Radiocommunication Sector is to ensure the rational, equitable, efficient and economical use of the radio-frequency spectrum by all radiocommunication services, including satellite services, and carry out studies without limit of frequency range on the basis of which Recommendations are adopted.

The regulatory and policy functions of the Radiocommunication Sector are performed by World and Regional Radiocommunication Conferences and Radiocommunication Assemblies supported by Study Groups.

Policy on Intellectual Property Right (IPR)

ITU-R policy on IPR is described in the Common Patent Policy for ITU-T/ITU-R/ISO/IEC referenced in Annex 1 of Resolution ITU-R 1. Forms to be used for the submission of patent statements and licensing declarations by patent holders are available from <http://www.itu.int/ITU-R/go/patents/en> where the Guidelines for Implementation of the Common Patent Policy for ITU-T/ITU-R/ISO/IEC and the ITU-R patent information database can also be found.

Series of ITU-R Recommendations

(Also available online at <http://www.itu.int/publ/R-REC/en>)

Series	Title
BO	Satellite delivery
BR	Recording for production, archival and play-out; film for television
BS	Broadcasting service (sound)
BT	Broadcasting service (television)
F	Fixed service
M	Mobile, radiodetermination, amateur and related satellite services
P	Radiowave propagation
RA	Radio astronomy
RS	Remote sensing systems
S	Fixed-satellite service
SA	Space applications and meteorology
SF	Frequency sharing and coordination between fixed-satellite and fixed service systems
SM	Spectrum management
SNG	Satellite news gathering
TF	Time signals and frequency standards emissions
V	Vocabulary and related subjects

Note: This ITU-R Recommendation was approved in English under the procedure detailed in Resolution ITU-R 1.

Electronic Publication
Geneva, 2018

© ITU 2018

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

RECOMMENDATION ITU-R BT.2055-1

Content elements in multimedia broadcasting systems for mobile reception

(Question ITU-R 45-5/6)

(2014-2018)

Scope

This Recommendation deals with content elements appropriate in multimedia broadcasting systems for mobile reception. Specifications are given for media type constituting multimedia content, for the coding schemes of each media type, and for methods for content navigation and interactivity.

The ITU Radiocommunication Assembly,

considering

- a) that digital television and sound broadcasting systems have been implemented in many countries;
- b) that multimedia broadcasting services for mobile reception have been or are planned to be introduced using the inherent capability of digital broadcasting systems;
- c) that the characteristics of mobile reception are quite different from those of fixed reception;
- d) that digital broadcasting services are expected to be offered in a variety of reception environments including indoor, portable, handheld and vehicular receivers;
- e) that the display sizes and receiver capabilities of handheld, portable and vehicular receivers in some cases (but not limited to) are different from those of fixed receivers;
- f) that a special case of mobile reception by handheld receivers requires specific technical characteristics due to specific receiver performance;
- g) the need for flexible configuration of a wide variety of services;
- h) the need for interoperability between mobile telecommunication services and interactive digital broadcasting services;
- i) that there should be appropriate content elements for multimedia content in broadcasting systems for mobile reception,

recommends

- 1 that for content elements in multimedia broadcasting systems for mobile reception, the media type, media coding schemes, and methods for content navigation and interactivity described in Annex 1 should be used;
- 2 that 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 shall in no way be construed to imply partial or total compliance with this Recommendation.