



Recommendation ITU-R BT.1301-1
(03/2011)

**Data services in digital television
broadcasting**

**BT Series
Broadcasting service
(television)**



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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.

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RECOMMENDATION ITU-R BT.1301-1

Data services in digital television broadcasting

(Question ITU-R 45-2/6)

(1997-2011)

Scope

This Recommendation specifies data services to be used for digital television broadcasting.

The ITU Radiocommunication Assembly,

considering

- a) that digital television broadcasting has been introduced in many countries around the world;
- b) that an efficient service identification mechanism is essential due to the flexible and complex nature of the service;
- c) that conventional television broadcasting systems already provide means to convey ancillary data;
- d) that subtitling is an important service in an increasing number of countries;
- e) that various multimedia services in other media is expected to stimulate the interest for a broadcast multimedia service;
- f) that such a service may give broadcasters opportunities to provide completely new services as well as promoting existing services;
- g) that commonality of identification of different data services is desirable,

recommends

1 that if digital television broadcasting systems include data services, these services should conform to one or more of the following:

- ancillary data based on the specifications defined in Annex 1;
- subtitling based on the specifications defined as specified in Annex 2;
- broadcast multimedia services based on the specifications defined in Annex 3,

2 that compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (e.g. to ensure 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.