



Recommendation ITU-R BT.1614-1
(01/2012)

**Payload identification data structure for
digital television interfaces**

BT Series
Broadcasting service
(television)



International
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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.*

Electronic Publication
Geneva, 2012

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RECOMMENDATION ITU-R BT.1614-1

Payload identification data structure for digital television interfaces

(Question ITU-R 130/6)

(2003-2012)

Scope

The payload identification packet is intended to be inserted into the interface(s) carrying digital images, digital audio, and other ancillary data. Where multiple interfaces are used to carry data exceeding the bandwidth of one link the identification packet is used to identify the individual links. The identification packet may be used to provide receivers with information concerning the payload being received.

The ITU Radiocommunication Assembly,

considering

- a) that many countries have installed digital television production facilities based on the use of digital video components conforming to Recommendations ITU-R BT.601, ITU-R BT.656, ITU-R BT.709 and ITU-R BT.799;
- b) that high definition television (HDTV) production systems are being installed based on digital HDTV interfaces conforming to Recommendation ITU-R BT.1120;
- c) that there are operational and economic benefits if a single infrastructure is used to carry a variety of source formats;
- d) that it is necessary to identify the payloads carried over an interface that may be used for a variety of source formats;
- e) that multiple links may be used to accommodate bandwidth requirements beyond those that can be carried by the single link interface of Recommendation ITU-R BT.1120,

recommends

- 1 that the payload identification described in Annex 1 should be used;
- 2 that Note 1 is considered as part of the Recommendation.

NOTE 1 – 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.