



Radiocommunication Bureau (BR)

Administrative Circular
CACE/875

21 November 2018

**To Administrations of Member States of the ITU, Radiocommunication Sector Members,
ITU-R Associates participating in the work of Radiocommunication Study Group 6
and ITU Academia**

Subject: **Radiocommunication Study Group 6 (Broadcasting Service)**

- **Proposed adoption of 3 draft new ITU-R Recommendations and 6 draft revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § A2.6.2.4 of Resolution ITU-R 1-7 (Procedure for the simultaneous adoption and approval by correspondence)**
- **Proposed suppression of 1 ITU-R Recommendations**

At the meeting of Radiocommunication Study Group 6, held on 26 October 2018, the Study Group decided to seek adoption of 3 draft new ITU-R Recommendations and 6 draft revised ITU-R Recommendations by correspondence (§ A2.6.2 of Resolution ITU-R 1-7) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA, § A2.6.2.4 of Resolution ITU-R 1-7). The titles and summaries of the draft Recommendations are given in Annex 1. Any Member State who objects to the adoption of a draft Recommendation is requested to inform the Director and the Chairman of the Study Group of the reasons for the objection.

The consideration period shall extend for 2 months ending on 21 January 2019. If within this period no objections are received from Member States, the draft Recommendations shall be considered to be adopted by Study Group 6. Furthermore, since the PSAA procedure has been followed, the draft Recommendations shall also be considered as approved.

In addition, the Study Group proposed the suppression of 1 Recommendation given in Annex 2. Any Member State who objects to the suppression of a Recommendation is requested to inform the Director and the Chairman of the Study Group of the reasons for the objection.

The consideration period shall extend for 2 months ending on 21 January 2019. If within this period no objections to the proposed suppression are received from Member States, the Recommendation shall be considered to be suppressed.

After the above-mentioned deadline, the results of the above procedures will be announced in an Administrative Circular and the approved Recommendations will be published as soon as practicable (see <http://www.itu.int/pub/R-REC>).

Any ITU member organization aware of a patent held by itself or others which may fully or partly cover elements of the draft Recommendations mentioned in this letter is requested to disclose such information to the Secretariat as soon as possible. The Common Patent Policy for ITU-T/ITU-R/ISO/IEC is available at <http://www.itu.int/en/ITU-T/ipr/Pages/policy.aspx>.



François Rancy
Director

Annex 1: Titles and summaries of the draft Recommendations

Annex 2: Recommendation proposed for suppression

Documents: 6/261(Rev.2), 6/263(Rev.1), 6/267(Rev.1), 6/272, 6/278, 6/279,
6/280, 6/281, 6/282(Rev.1)

These documents are available in electronic format at: <https://www.itu.int/md/R15-sg06-C/en>

Distribution:

- Administrations of Member States of the ITU and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 6
- ITU-R Associates participating in the work of Radiocommunication Study Group 6
- ITU Academia
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups
- Chairman and Vice-Chairmen of the Conference Preparatory Meeting
- Members of the Radio Regulations Board
- Secretary-General of the ITU, Director of the Telecommunication Standardization Bureau, Director of the Telecommunication Development Bureau

Annex 1

Titles and summaries of the draft Recommendations

Draft new Recommendation ITU-R BT.[AIAV]

Doc. 6/267(Rev.1)

Video parameter values for advanced immersive audio-visual (AIAV) systems for production and international programme exchange in broadcasting

AIAV systems will provide viewers with immersive experiences with an unprecedented degree of presence by enabling a wide field of view of their desired direction. In order to produce high-quality comfortable images, AIAV systems require video system parameters that go beyond the levels of UHDTV as well as additional system parameters to support omnidirectional image representation. This Recommendation specifies AIAV system parameters for production and international programme exchange.

Draft new Recommendation ITU-R BT.[COLOURDIFF]

Doc. 6/261(Rev.2)

Objective metric for the assessment of the potential visibility of colour differences in television

This Recommendation defines an objective colour difference metric intended for use in the characterization of the visibility of colour differences in television images and signals. This new metric is based on the $IC_{T}C_{P}$ constant intensity colour format specified in the HDR Recommendation [ITU-R BT.2100](#).

Applications for this metric include display calibration and characterization, and objective measurement of the potential perceptibility of changes in colour due to image processing.

Draft new Recommendation ITU-R BS.[ADM-SERIAL]

Doc. 6/281

A serial representation of the Audio Definition Model

This Recommendation describes a format of metadata based on the Audio Definition Model (ADM) specified in Recommendation [ITU-R BS.2076](#), segmented into a time-series of frames. The XML format is used for the serial presentation of the ADM as is the case with the original ADM. The serial presentation of the ADM is designed for use in linear workflows such as live or real-time production for broadcasting and streaming applications. This Recommendation does not cover the transport method or bit-packing of the metadata, or the format of the audio samples to which the metadata relates.

General methods for the subjective assessment of sound quality

This revision clarifies the detail of assessment methods with comparisons of multiple stimuli and adds some grading scales and attributes for advanced sound system.

Major modifications are as follows:

- 1 Addition of a new grading scale of Continuous 100 Point Quality Scales (CQS) and Continuous ± 60 Point Comparison Scale in section 4.1.
- 2 Addition of a new test procedure for multiple stimuli according to Recommendation [ITU-R BS.1534](#) in section 4.2.
- 3 Addition of a new attributes for advanced sound system according to Recommendation [ITU-R BS.1116](#) in new section 5.2.3.
- 4 Addition of a new reference to Report [ITU-R BS.2399](#) in a new section 5.6.

User requirements for codecs for emission and secondary distribution systems for SDTV and HDTV

This revision is to extend Recommendation [ITU-R BT.1122-2](#) to cover UHD TV and HDR-TV in the user requirements for codecs for emission and secondary distribution systems. Clarifications have also been made to some terms including “input signal format” and “virtual transparency”.

Audio coding systems for digital broadcasting

This revision adds a new technical parameter of MPEG-4 AAC on the use-case for distribution and contribution links. This modification adds new information in response to requests from broadcasters.

User requirements for audio coding systems for digital broadcasting

This revision adds new requirements for channel configurations specified in Recommendation [ITU-R BS.2051-1](#) and technical parameters and performance of MPEG-4 AAC on the use-case for distribution and contribution links and clarifies some requirements. This modification adds new information in response to requests from broadcasters.

**User requirements for broadcast auxiliary services including digital television
outside broadcast, electronic/satellite news gathering and
electronic field production**

This revision adds new technical parameters of MPEG-4 AAC to technical parameters for basic sound signal quality in Tables 1 and 4. This modification adds new information in response to requests from broadcasters.

Integrated broadcast-broadband system

Recommendation [ITU-R BT.2075](#) provides guidance in implementing an integrated broadcast-broadband system, and describes the service capabilities and technical elements of the IBB systems.

The specifications of two of these IBB systems have been recently updated (HbbTV 2.0.2 and Ginga receiver profile D). Therefore, this revision amends the Annex of the Recommendation in order to reflect those updates.

Furthermore, a new method has been developed and standardised for device collaboration with companion devices in the Hybridcast 2.0 specifications. This information has already been added in Report [ITU-R BT.2267](#). Therefore, the Annex of the Recommendation has been revised to update the information on device integration in the Hybridcast system as shown in the attachment.

Finally, as an editorial improvement, the list of abbreviations has been expanded to include all the abbreviations used in the Recommendation.

Annex 2

(Source: Document [6/257](#))

ITU-R Recommendation proposed for suppression

Recommendation ITU-R	Title
BR.780-2	Time and control code standards, for production applications in order to facilitate the international exchange of television programmes on magnetic tapes
