



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/670**

30 April 2014

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

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

- Proposed adoption of 8 draft revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § 10.3 of Resolution ITU-R 1-6 (Procedure for the simultaneous adoption and approval by correspondence)**
- Proposed approval of suppression of 2 ITU-R Recommendations**

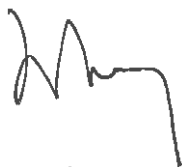
At the meeting of Radiocommunication Study Group 6, held on 4 April 2014, the Study Group decided to seek adoption of 8 draft revised ITU-R Recommendations by correspondence (§ 10.2.3 of Resolution ITU-R 1-6) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA), (§ 10.3 of Resolution ITU-R 1-6). The titles and summaries of the draft Recommendations are given in Annex 1. Furthermore, the Study Group proposed the suppression of 2 Recommendations listed in Annex 2.

The consideration period shall extend for 2 months ending on 30 June 2014. 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.

Any Member State who objects to the adoption of a draft Recommendation or approval of the suppression of a Recommendation is requested to inform the Director and the Chairman of the Study Group of the reasons for the objection.

After the above-mentioned deadline, the results of the PSAA procedure 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 Recommendation(s) 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:** Recommendations proposed for suppression

**Documents:** Documents 6/224(Rev.1), 6/226(Rev.1), 6/229(Rev.1), 6/230(Rev.1),  
6/232(Rev.1), 6/235(Rev.1)

These documents are available in electronic format at: <http://www.itu.int/md/R12-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
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups and the Special Committee on Regulatory/Procedural Matters
- 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 revision of Recommendation ITU-R BS.774-3

Doc. 6/224(Rev.1)

**Service requirements for digital sound broadcasting to vehicular, portable and fixed receivers using terrestrial transmitters in the VHF/UHF bands**

Draft revision of Recommendation ITU-R BS.1114-7

**Systems for terrestrial digital sound broadcasting to vehicular, portable and fixed receivers in the frequency range 30-3 000 MHz**

Draft revision of Recommendation ITU-R BS.1348-2

**Service requirements for digital sound broadcasting at frequencies below 30 MHz**

The revision modifies the “invites” in Recommendations ITU-R BS.774, ITU-R BS.1114 and ITU-R BS.1348, and the finalized revision of the “invites” is as follows.

*invites the ITU membership and radio receiver manufacturers to consider*

- 1 economically viable, portable, multiband, multi-standard radio receivers designed to work, through manual or preferably automatic selection, with all the different analogue and digital radio broadcasting systems currently in use in all the relevant frequency bands;
- 2 digital radio receivers allowing downloading of upgrades for some of their specific functionalities such as decoding, navigation, management capability etc.;
- 3 a simple indicator of the received RF field level and of the bit error rate.

Draft revision of Recommendation ITU-R BS.1116-1

Doc. 6/226(Rev.1)

**Methods for the subjective assessment of small impairments in audio systems including multichannel sound systems**

This revision is intended to extend Recommendation ITU-R BS.1116 to cover the quality assessment of small impairments in the advanced sound system that goes beyond those specified in Recommendation ITU-R BS.775.

### **Baseband imaging format for distribution of large screen digital imagery applications intended for presentation in a theatrical environment**

This revision adds the image systems specified in Recommendation ITU-R BT.2020 for use in those LSDI applications that require a very wide viewing angle. The requirement that future image systems to be used for LSDI applications should stand in a hierarchical relationship with the systems specified in existing ITU-R Recommendations is suppressed, as this requirement is met by Recommendation ITU-R BT.2020.

### **Parameter values for ultra-high definition television systems for production and international programme exchange**

This proposed revision of Recommendation ITU-R BT.2020 addresses two main issues, with changes made to Table 2 and Table 4.

The first issue is the addition of frame frequencies of 100 Hz and 120/1.001 Hz to the informative footnotes of Table 2. It has been found that the widely installed base of established lighting techniques in 50 Hz territories would in many cases inhibit adoption of high-frame rate UHDTV at a rate greater than 100 fps. This is due to the possible occurrence of visible flicker effects, and also non-perceptible flicker that may result in a reduction of coding efficiency. Signal conversion issues to existing television systems are also simplified.

The second issue is a purely editorial modification to clarify the mathematical precision of the non-linear transfer function given in Table 4.

A footnote has also been added to refer to the reference electro-optical transfer function of Recommendation ITU-R BT.1886 and the reference viewing environment of Recommendation ITU-R BT.2035.

### **Method for the subjective assessment of intermediate quality level of coding systems**

This Recommendation was revised to reduce the potential for introduction of systematic errors and biases in the resulting data. These modifications improve the validity and the reliability of data collected from tests performed using the Recommendation ITU-R BS.1534 testing method.

It is stated clearly, in which cases the MUSHRA method should be applied and that it is not allowed to use this test methodology without anchors or hidden reference.

The content of the test report is specified in detail. An overall check of references and cross referencing is performed. Also the word "subject" was exchanged with "assessor".

### **Spectrum limit masks for digital terrestrial television broadcasting**

Digital Terrestrial Television Multimedia Broadcasting (DTMB) has been included in Recommendation ITU-R BT.1306-6. The system supports channel bandwidth with 6/7/8 MHz. In Recommendation ITU-R BT.1206-1, only the 8 MHz bandwidth system spectrum mask was specified for DTMB (system D).

The Recommendation ~~was~~ revised by adding spectrum masks for DTMB with the system bandwidth of 6 and 7 MHz.

## **Annex 2**

(Source: Documents 6/220 and 6/231)

### **Recommendations proposed for suppression**

<b>Recommendation ITU-R</b>	<b>Title</b>
BT.1201-1	Extremely high resolution imagery
BT.1769-0	Parameter values for an expanded hierarchy of LSDI image formats for production and international programme exchange