



Radiocommunication Bureau (BR)

Administrative Circular
CACE/1041

19 October 2022

**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 2 draft new and 6 draft revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § A2.6.2.4 of Resolution ITU-R 1-8 (Procedure for the simultaneous adoption and approval by correspondence)**

At the meeting of Radiocommunication Study Group 6, held on 30 September 2022, the Study Group decided to seek adoption of 2 draft new and 6 draft revised ITU-R Recommendations by correspondence (§ A2.6.2 of Resolution ITU-R 1-8) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA, § A2.6.2.4 of Resolution ITU-R 1-8). The titles and summaries of the draft Recommendations are given in the Annex to this letter. Any Member State raising an objection 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 19 December 2022. 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.

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>.

Mario Maniewicz
Director

Annex: Titles and summaries of the draft Recommendations

Documents: Documents [6/254\(Rev.1\)](#), [6/260](#), [6/262](#), [6/264](#), [6/265](#), [6/270](#), [6/275](#), [6/276](#)

These documents are available in electronic format at: <https://www.itu.int/md/R19-SG06-C/en>

Annex

Titles and summaries of the draft ITU-R Recommendations

Draft new Recommendation ITU-R BT.[CCGP]

Doc. 6/270

The use of componentized workflows for the exchange of non-live television programmes

Report ITU-R BT.2400 *Usage scenarios, requirements and technical elements of a global platform for the broadcasting service* states that broadcasters are producing a wide range of content and services for distribution not only as traditional linear radio and television programming but also as time-shifted, on-demand, hybrid content and data services.

To make full use of the options a Global Platform offers, media needs to be created in a more flexible way. Componentized Content processing enables the wide range of versions or localized options the global platform would require for international and local content exchange and delivery.

The draft new Recommendation ITU-R BT.[CCGP] *The use of componentized workflows for the exchange of non-live television programmes* provides an outline of the parameter rules for componentized workflows and an informative example of the application as used for the exchange of non-live television programmes.

Draft new Recommendation ITU-R BT.[ARCH4IMMERSIVE]

Doc. 6/276

High-level system architecture for immersive video for presentation on various types of display devices

This Recommendation is to provide a high-level system architecture for immersive video to be presented on various types of devices.

Immersive video should enable users to move around in a video space and watch video omnidirectionally from free viewpoints so that they can feel as if they were in that space. Immersive video with 6 Degree of Freedom (6DoF), which enable users to freely walk-through 3D virtual reality (VR)/360-degree content, requires a mechanism different from the conventional distribution and presentation of two-dimensional rectangular video. In addition, for immersive video, it is expected that various types of devices such as volumetric displays and light field displays will be used as well as the devices currently used such as head-mounted displays, augmented reality (AR) glasses, smartphones, and tablets, and even on conventional flat-screen TV displays.

Multichannel stereophonic sound system with and without accompanying picture

This draft revision provides additional guidance on the use of LFE when low-pass filters are used.

- Guidance on the use of low-pass filters is added in Annex 7.
- New section 8 to introduce effects of low-pass filters is inserted in Attachment 1 to Annex 7.

Error-correction, data framing, modulation and emission methods for terrestrial multimedia broadcasting for mobile reception using handheld receivers in VHF/UHF bands

The major changes are:

- Addition of new columns for Multimedia Systems “S”, “L” and “N” in Table 1 – Parameters for emission systems.
- Addition of new columns for Multimedia Systems “S”, “L” and “N” in Table 2 – Technical features of systems.
- Addition of new Attachments 7, 8 and 9 to Annex 1:
 - Multimedia System S (ATSC 3.0)
 - Multimedia System L
 - Multimedia System N

Technical basis for planning of terrestrial digital sound broadcasting in the VHF band

Major revision includes:

- In Annex 1, System A (DAB):
 - o The Building entry loss in section 7 to align with the latest version of Recommendation ITU-R P.2109. The location corrector factors for different reception modes in section 9.2 are updated accordingly.
 - o Section 11.1.1 ‘Examples of signal levels for planning’ are updated as per the new values of building entry loss and final values rounded to one decimal.
 - o The Protection Ratio of DAB interfered by DRM in Annex 3 is proposed to be moved to Annex 1.

- In Annex 3, System G (DRM):
 - Section 3.5, Building penetration loss, and section 3.8.2, Combined standard deviation, to align with Recommendation ITU-R P.2109-1.
 - Sections 6.2, 6.3 and 6.4, minimum median field-strength level for VHF Band I, II and III respectively, as per the new values of building entry loss and final values rounded to one decimal.

Draft revision of Recommendation ITU-R BS.643-3

Doc. 6/264

Radio data system for automatic tuning and other applications in FM radio receivers for use with the pilot-tone system

The revision includes the update to align with the status achieved during the RDS standard development done by IEC TC100.

Draft revision of Recommendation ITU-R BS.2107-0

Doc. 6/265

Use of International Radio for Disaster Relief (IRDR) frequencies for emergency broadcasts in the High Frequency (HF) bands

Major changes are as follows:

- In the table in Annex 1 of the attachment, all the IRDR frequencies are now coordinated for 00:00 – 24:00 (UTC). So the third column in the table is deleted.
- As all IRDR frequencies have been coordinated for 24 hours per day, there is a consequential change to *considering f)* and *recommends*.

Draft revision of Recommendation ITU-R BT.1833-3

Doc. 6/275

Broadcasting of multimedia and data applications for mobile reception by handheld receivers

This revision of Recommendation [ITU-R BT.1833](#) includes multimedia System “L”, based on ETSI TS 103 720, which is entitled “5G Broadcast System for linear TV and radio services; LTE-based 5G terrestrial broadcast system”, and multimedia System “S” (ATSC 3.0). It also contains minor revision to text at multimedia System “B” (ATSC 1.0) in Table 1.
