



## Radiocommunication Bureau (BR)

Administrative Circular  
CACE/685

29 July 2014

**To Administrations of Member States of the ITU, Radiocommunication Sector Members and ITU-R Associates participating in the work of Radiocommunication Study Group 4**

**Subject: Radiocommunication Study Group 4 (Satellite services)**

- Proposed approval of 1 draft new ITU-R Recommendation and 2 draft revised ITU-R Recommendations**

At the meeting of Radiocommunication Study Group 4 held on 11 July 2014, the Study Group adopted the texts of 1 draft new ITU-R Recommendation and 2 draft revised ITU-R Recommendations and agreed to apply the procedure of Resolution ITU-R 1-6 (see § 10.4.5) for approval of Recommendations by consultation. The titles and summaries of the draft Recommendations are given in the Annex to this letter.

Having regard to the provisions of § 10.4.5.1 of Resolution ITU-R 1-6, Member States are requested to inform the Secretariat ([brsgd@itu.int](mailto:brsgd@itu.int)) by 29 September 2014, whether they approve or do not approve the proposals above.

Any Member State who objects to the approval of a draft 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 this consultation 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: Titles and summaries of the draft Recommendations**

**Documents: Documents 4/BL/5 – 4/BL/7**

These documents are available in electronic format at: <http://www.itu.int/pub/R-REC>

**Distribution:**

- Administrations of Member States of the ITU and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 4
- ITU-R Associates participating in the work of Radiocommunication Study Group 4
- 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

### **Titles and summaries of the draft Recommendations adopted by Radiocommunication Study Group 4**

Draft new Recommendation ITU-R BO.[ALT BSS ANT DIAG]

Doc. 4/BL/5

#### **Alternative BSS earth station antenna radiation pattern for 12 GHz BSS bands with effective apertures in the range 55-75 cm**

The purpose of this Recommendation is to provide an alternative antenna pattern for broadcasting-satellite service (BSS) receiving earth stations with effective apertures in the range 55-75 cm. This alternative pattern is based on relative gain (dB) and has improved co-polar side lobe suppression (especially in the 2.5°-9° off-axis angular range) and better cross-polar discrimination as compared to the existing reference antenna pattern in Recommendation ITU-R BO.1213, which is based on absolute gain. The alternative pattern could be used for bilateral/multilateral negotiations of new or modified assignments in the Region 2 Plan or Regions 1 and 3 List of additional uses.

Draft revision of Recommendation ITU-R M.1787-1

Doc. 4/BL/6

#### **Description of systems and networks in the radionavigation-satellite service (space-to-Earth and space-to-space) and technical characteristics of transmitting space stations operating in the bands 1 164-1 215 MHz, 1 215-1 300 MHz and 1 559-1 610 MHz**

This revision includes 1) editorial corrections to the main body of the Recommendation and alignment of *considerings* and *recognizings* in conformance with the ITU-R Recommendation Format Guidelines; 2) addition of a new *recognizing h)* to include reference to new Recommendation ITU-R M.2030 on pulsed interference; 3) some minor updates to the Navstar Global Positioning System (GPS) information contained in Annex 2; 4) updates to the Galileo information in Annex 3; 5) updates to the QZSS information in Annex 4; and 6) updates to the IRNSS and GAGAN information in Annex 10 to make available the most recent details of the systems. Additionally, all occurrences of the word “triangulation” were replaced with the more appropriate term, “trilateration.”

## **Detailed specifications of the radio interfaces for the satellite component of International Mobile Telecommunications-2000 (IMT-2000)**

This Recommendation identifies the IMT-2000 satellite radio interface specifications, originally based on the key characteristics identified in the output of activities outside ITU. The satellite radio interface for 3<sup>rd</sup> generation mobile satellite systems has continued to develop at a fast rate. The latest version was published by ETSI in December, 2012. This revision updates section 4.3.7 (Satellite radio interface H specifications) to bring the Recommendation to be consistent with the Geo-Mobile-Radio-1 (GMR-1) specifications currently in force. No self-evaluation form is required with this submission as none of the changes effect the answers to the form presented with the current version of the Recommendation.

The updates include two new sub-sections and expanded text that describe key features of the newer releases as well as updated figures and tables to better describe the current standard. These modifications cover the topics of efficient multicast implementation, flexible beam coverage, new PDTCH variants, and control channels implementation. ETSI documents references are updated throughout the text. Other minor editorial changes have also been performed.

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