



Radiocommunication Bureau (BR)

Administrative Circular
CACE/638

28 October 2013

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 adoption by correspondence of 1 draft new ITU-R Recommendation and 1 draft revised ITU-R Recommendation**

At the meeting of Radiocommunication Study Group 4, held on 11 October 2013, the Study Group decided to seek adoption of 1 draft new ITU-R Recommendation and 1 draft revised ITU-R Recommendation according to § 10.2.3 of Resolution ITU-R 1-6 (Adoption by a Study Group by correspondence). The titles and summaries of the draft Recommendations are given in the Annex.

The consideration period shall extend for two months ending on 28 December 2013. If within this period no objections are received from Member States, the approval by consultation procedure of § 10.4.5 of Resolution ITU-R 1-6 will be initiated.

Any Member State who objects to the adoption of the draft Recommendations is requested to inform the Director and the Chairman of the Study Group of the reasons for the objection.

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 4/41(Rev.1), 4/42(Rev.1)

These documents are available in electronic format at: <http://www.itu.int/md/R12-SG04-C/en>

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
- Chairman and Vice-Chairmen of Radiocommunication Study Group 4
- 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

Draft new Recommendation ITU-R M.[AMS(R)S.METHODOLOGY]-0

Doc. 4/41(Rev.1)

Methodology to calculate spectrum requirements within the frequency bands 1 545-1 555 MHz (space-to-Earth) and 1 646.5-1 656.5 MHz (Earth-to-space) for aeronautical mobile-satellite (R) service communications related to the priority categories 1 to 6 of Article 44 of the Radio Regulations

This Recommendation provides a methodology to calculate aeronautical mobile-satellite (R) service spectrum requirements within the frequency bands 1 545-1 555 MHz (space-to-Earth) and 1 646.5-1 656.5 MHz (Earth-to-space). It is intended to be used to quantify the spectrum requirements related to the AMS(R)S priority categories 1 to 6 of RR Article **44**, for which the provisions of Resolution **222 (Rev.WRC-12)** apply. The development of such a Recommendation was requested by Resolution **422 (WRC-12)**.

Draft revision of Recommendation ITU-R BO.1443-2

Doc. 4/42(Rev.1)

Reference BSS earth station antenna patterns for use in interference assessment involving non-GSO satellites in frequency bands covered by RR Appendix 30

Recommendation [ITU-R BO.1443](#) defines a gain pattern for BSS earth stations to use in interference assessments involving non-GSO satellites. One of its uses is in the analysis of non-GSO FSS satellite networks to verify for compliance with the efd limits in Article **22** of the Radio Regulations. The core algorithm to calculate efd to use for Article **22** analysis is defined in Recommendation [ITU-R S.1503](#) which references gain patterns in other Recommendations, such as Recommendation ITU-R BO.1443.

During the implementation of software to implement Recommendation ITU-R S.1503, editorial errors were found in Recommendation ITU-R BO.1443-2 and it was considered to be highly useful if these errors were corrected. In particular, it was noted that Figure 1 of Annex 2 had the spherical angles a and b the wrong way round.
