Radiocommunication Bureau (BR)

Administrative Circular
CACE/637

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 of 2 draft new ITU-R Recommendations and 3 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)**

At the meeting of Radiocommunication Study Group 4, held on 11 October 2013, the Study Group decided to seek adoption of 2 draft new ITU-R Recommendations and 3 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 the Annex.

The consideration period shall extend for 2 months ending on 28 December 2013. If within this period no objections are received from Member States, the draft Recommendations shall be considered to be adopted by Study Group 4. 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 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).

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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

Attached Documents: Documents 4/28(Rev.1), 4/37(Rev.1), 4/38(Rev.1), 4/40(Rev.1), 4/43(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
- 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

Draft new Recommendation ITU-R M.[MSS 400 MHz]-0 Doc. 4/37(Rev.1)

Characteristics and protection criteria for non-geostationary mobile-satellite service systems operating in the band 399.9-400.05 MHz

This Recommendation provides a description, and the corresponding protection criteria for broadband noise and narrow-band interference, of a mobile-satellite service system that uses the 399.9-400.05 MHz frequency band (Earth-to-space).

Draft new Recommendation ITU-R M.[IMT-ADVANCED-SAT]-0 Doc. 4/40(Rev.1)

Detailed specifications of the satellite radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced)

This new Recommendation identifies the satellite radio interface technologies of International Mobile Telecommunications-Advanced (IMT-Advanced), SAT-OFDM and BMsat, and provides the detailed radio interface specifications.

These radio interface specifications detail the features and parameters of the satellite component of IMT-Advanced. This Recommendation includes the capability to ensure world-wide compatibility, international roaming, and access to high-speed data services.

Draft revision of Recommendation ITU-R SF.674-2 Doc. 4/28(Rev.1)

Determination of the impact on the fixed service operating in the 11.7-12.2 GHz band when geostationary fixed-satellite service networks in Region 2 exceed power flux-density thresholds in Resolution 77 (WRC-2000)

This revision adds the scope, updates old texts in relation to the results of past World Radiocommunication Conferences and deletes the old Appendix 1 to Annex 1 dealing with the interference to analogue fixed service systems.

Draft revision of Recommendation ITU-R M.1901-0 Doc. 4/38(Rev.1)

Guidance on ITU-R Recommendations related to systems and networks in the radionavigation-satellite service operating in the frequency bands 1 164-1 215 MHz, 1 215-1 300 MHz, 1 559-1 610 MHz, 5 000-5 010 MHz and 5 010-5 030 MHz

ITU-R has approved Recommendations ITU-R M.2030 and ITU-R M.2031 so this has been reflected in the draft revision of Recommendation ITU-R M.1901. The specific consequential changes reflecting this are deletion of the *noting further*, and the addition of new *recognizings c)* and *f)*.

At the same time, following the guidance provided by the new ITU-R Recommendations format document, the *notings* have been changed to *recognizings* because they reference ITU documents. Some editorial and formatting improvements have also been made to Annex 1.

Draft revision of Recommendation ITU-R S.1503-1 Doc. 4/43(Rev.1)

Functional description to be used in developing software tools for determining conformity of non-geostationary-satellite orbit fixed-satellite system networks with limits contained in Article 22 of the Radio Regulations

This ITU-R Recommendation defines the methodology that should be used to calculate whether a non-GSO FSS system is in conformity with the equivalent power flux-density (epfd) limits contained within Article **22** of the Radio Regulations. It is applicable to those bands for which epfd limits have been defined.

The algorithm in this Recommendation has been used as the functional requirements of software tools provided to the BR to check non-GSO systems for conformity with the relevant Articles of the Radio Regulations.

This revision contains the following modifications:

1) enhancements to the core algorithm to allow it to analyse a wider variety of non-GSO system orbit types including equatorial circular and highly elliptical constellations;
2) enhancements to the worst case geometry algorithm;
3) re-structure to improve readability;
4) simplification by removal of the analytic method not used during the development of software for the BR.

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