



Radiocommunication Bureau (BR)

Administrative Circular
CACE/842

15 November 2017

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

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

- **Proposed adoption of 1 draft new ITU-R Recommendation and 2 draft revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § A2.6.2.4 of Resolution ITU-R 1-7 (Procedure for the simultaneous adoption and approval by correspondence)**

At the meeting of Radiocommunication Study Group 4, held on 27 October 2017, the Study Group decided to seek adoption of 1 draft new ITU-R Recommendation and 2 draft revised ITU-R Recommendations by correspondence (§ A2.6.2 of Resolution ITU-R 1-7) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA, § A2.6.2.4 of Resolution ITU-R 1-7). The titles and summaries of the draft Recommendations are given in the Annex to this letter. 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.

The consideration period shall extend for 2 months ending on 15 January 2018. 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.

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>.



François Rancy
Director

Annex: Titles and summaries of the draft Recommendations

Documents: Documents [4/40\(Rev.1\)](#), [4/37](#) and [4/41](#)

These documents are available in electronic format at: <https://www.itu.int/md/R15-sg04-C/>

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
- ITU Academia
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups
- 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 S.[GUIDELINES 14.5-14.8 GHz]

Doc. 4/40(Rev.1)

Guidelines to conduct bilateral coordination for explicit agreements, in the frequency band 14.5-14.75 GHz for Regions 1 and 2 countries, or in the frequency band 14.5-14.8 GHz for Region 3 countries, in the fixed-satellite service (Earth-to-space) not for feeder links for the broadcasting-satellite service, in order to protect all existing and planned systems of allocated services in 14.5-14.8 GHz in the territories of those administrations engaging in such agreements

This Recommendation aims at providing a guideline for those administrations which are engaging in bilateral coordination for explicit agreements, in the framework of RR No. **5.509E**, by offering a baseline for discussion to guarantee protection of the existing and planned aeronautical mobile service systems to all administrations involved.

Draft revision of Recommendation ITU-R M.1184-2

Doc. 4/37

Technical characteristics of mobile satellite systems in the frequency bands below 3 GHz for use in developing criteria for sharing between the mobile-satellite service (MSS) and other services

This revision proposes updates which are summarised below:

- 1) Updated section 2, Global and regional/national GSO systems, to include some new GSO MSS and non-GSO MSS systems;
- 2) Updated Table 1 to review technical characteristics of the China's GSO MSS system;
- 3) Updated Table 4 to review technical characteristics of the China's non-GSO MSS system;
- 4) Updated section 2.1, Maritime mobile-satellite service, with current services;
- 5) Deleted in section 2.4 reference to Recommendation ITU-R M.632 as this is not applicable anymore;
- 6) Updated Table 2, Inmarsat GSO systems overview.

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 revision contains the following modifications:

- 1) Increased flexibility in the input parameters, for example to allow the exclusion zone size to vary by latitude and the minimum elevation angle by latitude and azimuth.
 - 2) Inclusion of the ability to define a minimum track period between handovers in the EPFD (down) calculation.
 - 3) Re-structure of the data elements format to allow non-GSO system parameters to vary between frequency bands and simplification of the exclusion zone angle to solely alpha.
 - 4) Ability to handle non-GSO constellations that are comprised of multiple sub-constellations.
 - 5) Improvement in the worst case geometry algorithm.
 - 6) General readability improvements including clarifications and inclusion of an analytic method to calculate alpha.
-