



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/844**

29 November 2017

**To Administrations of Member States of the ITU, Radiocommunication Sector Members, ITU-R Associates participating in the work of Radiocommunication Study Group 5 and ITU Academia**

Subject:

**Radiocommunication Study Group 5 (Terrestrial Services)**

- **Proposed approval of 1 draft new ITU-R Recommendation and 3 draft revised ITU-R Recommendations**

At the meeting of Radiocommunication Study Group 5 held on 20 November 2017, the Study Group adopted the texts of 1 draft new ITU-R Recommendation and 3 draft revised ITU-R Recommendations and agreed to apply the procedure of Resolution ITU-R 1-7 (see § A2.6.2.3) for approval of Recommendations by consultation. The titles and summaries of the draft Recommendations are given in the Annex to this letter. 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.

Having regard to the provisions of § A2.6.2.3 of Resolution ITU-R 1-7, Member States are requested to inform the Secretariat ([brsgd@itu.int](mailto:brsgd@itu.int)) by 29 January 2018, whether they approve or do not approve the proposals above.

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 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 5/45(Rev.1), 5/46(Rev.1), 5/48(Rev.1), 5/50(Rev.1)

These documents are available in electronic format at: <https://www.itu.int/md/R15-SG05-C/en>

**Distribution:**

- Administrations of Member States of the ITU and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 5
- ITU-R Associates participating in the work of Radiocommunication Study Group 5
- 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 adopted by Radiocommunication Study Group 5**

Draft new Recommendation ITU-R M.[AMS 4.4-5 GHz]

Doc. 5/50(Rev.1)

#### **Technical characteristics and protection criteria for the aeronautical mobile service systems operating within the 4 400-4 990 MHz frequency range**

This Recommendation provides information on the technical characteristics and protection criteria for systems operating in the aeronautical mobile service (AMS) planned to or currently operating within the frequency range 4 400-4 990 MHz for use in sharing and compatibility studies as needed and does not contain any aeronautical mobile telemetry system.

Draft revision of Recommendation ITU-R M.1461-1

Doc. 5/45(Rev.1)

#### **Procedures for determining the potential for interference between radars operating in the radiodetermination service and systems in other services**

This revision is to provide an update of the number of order that could be considered for intermodulation phenomenon, some clarifications in the types of antenna scan and a floor to the radar receiver IF selectivity if not provided.

Draft revision of Recommendation ITU-R F.1777-1

Doc. 5/46(Rev.1)

#### **System characteristic of television outside broadcast, electronic news gathering and electronic field production in the fixed service for use in sharing studies**

The revision has been made only to Annex 2. The details are as follows:

- The title of Table 1 has been modified for clarification.
- "Maximum TX antenna gain" has been added to Table 1.
- Systems using 1.240-1.300 GHz, 2.330-2.370 GHz and 41.000-42.000 GHz have been added to Table 1.
- New system parameters have been added to the systems using 5.850-8.500 GHz and 10.250-13.250 GHz in Table 1.
- Parameters of "adjacent channel selectivity" and "adjacent channel guard band" for the systems using 0.770-0.806 GHz, 5.850-8.500 GHz and 10.250-13.250 GHz in Table 1 have been filled.
- The footnotes of Table 1 have been modified accordingly.

**Mathematical models for radiodetermination radar systems  
antenna patterns for use in interference analyses**

This revision provides changes to clarify some equations, figures and units and includes an additional equation and figure for the  $\cos^4$  shape of field distribution, and for phased array antennas.

