



90<sup>th</sup> Anniversary  
CCIR/ITU-R Study Groups  
(1927-2017)

## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/845**

30 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)**

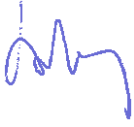
- **Proposed adoption of 3 draft new ITU-R Recommendations and 9 draft revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § A2.6.2.4 of Resolution ITU-R 1-7 (Procedure for the simultaneous adoption and approval by correspondence)**

At the meeting of Radiocommunication Study Group 5, held on 20 November 2017, the Study Group decided to seek adoption of 3 draft new ITU-R Recommendations and 9 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 30 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 5. 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 5/62, 5/67, 5/68(Rev.1), 5/69, 5/70(Rev.1),  
5/75, 5/76(Rev.1), 5/77(Rev.1), 5/79, 5/82(Rev.1), 5/83, 5/84

These documents are available in electronic format at: <https://www.itu.int/md/R15-sg05-c/>

**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**

Draft new Recommendation ITU-R F.[PERFORM]

Doc. 5/79

#### **Error performance and availability objectives and requirements for real point-to-point packet-based radio links**

This Recommendation describes error performance and availability events and parameters for packet based FWS equipment and links, provides a formula for link objectives, includes relations between packet and non-packet based systems, and shows examples of applications to real cases.

Draft new Recommendation ITU-R M.[AMS-CHAR-24]

Doc. 5/83

#### **Technical and operational characteristics of and protection criteria for aeronautical mobile service systems in the frequency bands 22.5-23.6 GHz and 25.25-27.5 GHz**

This Recommendation provides information on the technical characteristics and protection criteria for systems operating in the aeronautical mobile service (AMS) in the frequency bands 22.5-23.6 GHz and 25.25-27.5 GHz.

Draft new Recommendation ITU-R M.[AMS-CHAR-45]

Doc. 5/84

#### **Technical and operational characteristics of and protection criteria for aeronautical mobile systems operating in the 45.5–47 GHz frequency range**

This Recommendation provides information on the technical characteristics and protection criteria for aeronautical mobile service (AMS) systems operating in the mobile service within the 45.5-47 GHz frequency range.

Draft revision of Recommendation ITU-R M.2012-2

Doc. 5/62

#### **Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced)**

This revision is intended to keep the specified technologies of the terrestrial component of IMT-Advanced up to date. The main changes include the addition of enhanced capabilities for LTE-Advanced SRIT, and some consequential changes to the overview sections of the text, as well as to the Global Core Specifications. Also the transposition references have been updated in Annex 1. WirelessMAN-Advanced RIT has no update and Annex 2 remains the same as the previous revision except for the editorial cleanup.

*Noting b) is suppressed from this Revision because it is no longer necessary.*

Draft revision of Recommendation ITU-R M.2003-1

Doc. 5/67

### **Multiple gigabit wireless systems in frequencies around 60 GHz**

In this revision, information on an IEEE standard is corrected and updated and a new IEEE standard on point-to-point close proximity mobile systems is included.

Draft revision of Recommendation ITU-R M.2057-0

Doc. 5/68(Rev.1)

### **Systems characteristics of automotive radars operating in the frequency band 76-81 GHz for intelligent transport systems applications**

This revision provides antenna patterns for automotive radar.

Draft revision of Recommendation ITU-R M.1640-0

Doc. 5/69

### **Characteristics of, and protection criteria for sharing studies for radars operating in the radiodetermination service in the frequency band 33.4-36 GHz**

This revision proposes to include the characteristics of a search and track radar system.

Draft revision of Recommendation ITU-R M.1465-2

Doc. 5/70(Rev.1)

### **Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency range 3 100-3 700 MHz**

This revision proposes to include the characteristics of 3 land based systems (systems L-C, L-D and L-E), to modify the Ship Radar (system S-B) and to reference Recommendation ITU-R M.1464 that contains radar characteristics in the frequency band 2 700-3 400 MHz.

Draft revision of Recommendation ITU-R F.1509-3

Doc. 5/75

### **Technical and operational requirements that facilitate sharing between point-to-multipoint systems in the fixed service and the inter-satellite service in the band 25.25-27.5 GHz**

This revision proposes to add new orbital locations to be taken into account in accordance with a revision on Recommendation ITU-R SA.1276 to facilitate sharing of orbital positions in the band 25.25-27.5 GHz.

Draft revision of Recommendation ITU-R F.699-7

Doc. 5/76(Rev.1)

**Reference radiation patterns for fixed wireless system antennas for use in coordination studies and interference assessment in the frequency range from 100 MHz to about 70 GHz**

The main revision consists in expanding the applicable frequency range of this Recommendation up to 86 GHz instead of 70 GHz, revising gains calculated by beamwidths and changing for frequencies above 70 GHz the value where the roll off in the sidelobe ends from 48 degrees to 120 degrees, thereby lowering by 10 dB the 'floor' antenna gain values. Measured antenna patterns of modern antennas in the frequency range 70-86 GHz are also added.

Draft revision of Recommendation ITU-R F.1249-4

Doc. 5/77(Rev.1)

**Technical and operational requirements that facilitate sharing between point-to-point systems in the fixed service and the inter-satellite service in the band 25.25-27.5 GHz**

This revision proposes to add new orbital locations to be taken into account in accordance with a revision on Recommendation ITU-R SA.1276 to facilitate sharing of orbital positions in the band 25.25-27.5 GHz. Consequential changes in the computer program in Appendix 1 to Annex 2 are also made. This revision also contains an editorial correction on an equation in Annex 2.

Draft revision of Recommendation ITU-R M.2015-1

Doc. 5/82(Rev.1)

**Frequency arrangements for public protection and disaster relief radiocommunication systems in UHF bands in accordance with Resolution 646 (Rev.WRC-12)**

In accordance with Resolution **646 (Rev.WRC-15)**, harmonized and country-specific frequency arrangements have been incorporated into Annex 1 (aligning with *resolves* 2 and 3 of the Resolution) and Annex 2 (aligned with *resolves* 4 of the Resolution). A number of additions and other changes have been made to the *considerings, notings, recognizing*s and *recommends*.

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