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**Administrative Circular  
CAR/309**

19 January 2011

**To Administrations of Member States of the ITU**

**Subject: Radiocommunication Study Group 5**

- **Proposed adoption of 1 draft new Recommendation and 4 draft revised Recommendations and their simultaneous approval by correspondence in accordance with § 10.3 of Resolution ITU-R 1-5 (Procedure for the simultaneous adoption and approval by correspondence)**
- **Proposed suppression of 8 Recommendations**

At the meeting of Radiocommunication Study Group 5, held on 22 and 23 November 2010, the Study Group decided to seek adoption of 1 draft new Recommendation and 4 draft revised Recommendations by correspondence (§ 10.2.3 of Resolution ITU-R 1-5) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA), (§ 10.3 of Resolution ITU-R 1-5). The titles and summaries of the draft Recommendations are given in Annex 1. Furthermore, the Study Group proposed the suppression of 8 Recommendations which are listed in Annex 2.

The consideration period shall extend for 3 months ending on 19 April 2011. 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. However, if any objection is received from a Member State during the consideration period, the procedures given in § 10.2.1.2 of Resolution ITU-R 1-5 shall apply.

After the above-mentioned deadline, the results of the PSAA procedure shall be announced in an Administrative Circular (CACE) and the approved Recommendations published as soon as practicable.

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/ITU-T/dbase/patent/patent-policy.html>.

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**Annex 1:** Titles and summaries of the draft Recommendations

**Annex 2:** List of Recommendations proposed for suppression

**Documents attached:** Documents 5/224(Rev.1), 5/220(Rev.1), 5/221(Rev.1), 5/227(Rev.1) and 5/241(Rev.1) on CD-ROM

Distribution:

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

## **Annex 1**

### **Titles and summaries of the draft Recommendations**

Draft new Recommendation ITU-R M.[LMS.ITSGO]

Doc. 5/224(Rev.1)

#### **Intelligent transport systems – Guidelines and objectives**

This Recommendation provides the guidelines for radio interface requirements of intelligent transport systems (ITS). ITS utilize a combination of technologies such as computers, telecommunications, positioning, and automation to improve the safety, management, efficiency, usability and environmental sustainability of terrestrial transportation systems.

Technical and/or operational requirements for the various radio systems referred to in the Annex as options or examples are outside the scope of this Recommendation.

Draft revision of Recommendation ITU-R M.1177-3

Doc. 5/220(Rev.1)

#### **Techniques for measurement of unwanted emissions of radar systems**

The modifications contained in this revision provide clarifications to the techniques to measure unwanted emissions of radar systems to prevent misunderstandings in performing these measurements.

Draft revision of Recommendation ITU-R F.757-3

Doc. 5/221(Rev.1)

#### **Basic system requirements and performance objectives for fixed wireless access using mobile-derived technologies offering telephony and data communication services**

This revision is proposed to add a scope and update old information on some FWA systems in Table 1 in Annex 1 and Table 2 in Annex 2. Some minor amendments to the existing text are also proposed.

### **Methods of calculating line-of-sight interference into fixed wireless systems to account for terrain scattering**

The recommended method is widely used in designing fixed wireless systems (FWS) including short-haul applications, so-called last-mile solutions, which are becoming major applications of FWS in recent years. In the current method, there is a considerable error in calculating interference power level due to terrain scattering for short-haul systems, while it might not be significant in long-haul systems. In this revision, this problem is overcome by replacing some formulae with new equations resulting in much improved power level calculations.

Based on the above rationale, the following modifications are made:

- 1) formulae (8), (10) and (11) in section 3.1 is replaced with the appropriate formulae;
- 2) the first part of equation (27) in section 4.2 is replaced with the following formula:

$$\delta[h(\sin\theta, \cos\theta)\cos(\varphi+2\mu) - \Delta x\Delta y(\varphi+2\mu)] \geq 0$$

- 3) the second part of equation (27) in item 4.2 is replaced with the following formula:

$$h(u, v) = u \cdot \Delta y \Delta z_{cb} + v \cdot \Delta x \Delta z_{ab}$$

- 4) the term “radio-relay” is replaced with “fixed wireless”.

### **Radio-frequency arrangements for systems in the fixed service operating in the band 31.8-33.4 GHz**

This revision provides in Annex 1 a new RF channel arrangement with a channel separation of 112 MHz in the band 31.8-33.4 GHz. The relevant information contained in the Table 1 and Figure 1 is also updated.

## Annex 2

(Source: Documents 5/229 and 5/232)

### List of Recommendations proposed for suppression

Recommendation ITU-R	Title
M.257-3	Sequential single frequency selective-calling system for use in the maritime mobile service
M.488-1	Equivalent powers of double-sideband and single-sideband radiotelephone emissions in the maritime mobile service
M.491-1	Translation between an identity number and identities for direct-printing telegraphy in the maritime mobile service.
M.588	Characteristics of maritime radio beacons (Region 1)
M.631-1	Use of hyperbolic maritime radionavigation systems in the band 283.5-315 kHz
M.1169	Hours of service of ship stations
M.1310*	Transport information and control systems (TICS) - Objectives and requirements
SF.1481-1	Frequency sharing between systems in the fixed service using high altitude platform station and satellite systems in the geostationary orbit in the fixed-satellite service in the bands 47.2-47.5 and 47.9-48.2 GHz

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\* Pending the approval of draft new Recommendation ITU-R M.[LMS.ITSGO]  
Doc. 5/224(Rev.1).