



*Radiocommunication Bureau*  
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Administrative Circular  
CAR/201

19 December 2005

## To Administrations of Member States of the ITU

**Subject: Radiocommunication Study Group 8**  
– **Proposed approval of 8 draft revised Recommendations and 3 draft new Recommendations**

At the meeting of ITU-R Study Group 8 (Mobile, radiodetermination, amateur and related satellite services) held from 21-22 November 2005, the Study Group adopted the texts of 8 draft revised Recommendations and 3 draft new Recommendations, and agreed to apply the procedure of Resolution ITU-R 1-4 (see § 10.4.5) for approval of Recommendations by consultation. In accordance with the interim procedures recommended by the RAG at its meeting in November 2004\*, the draft Recommendations in English, as revised at the meeting of Study Group 8, are enclosed with this letter. The titles and summaries of these Recommendations are given in Annex 1.

Having regard to the provisions of § 10.4.5.2 of Resolution ITU-R 1-4, you are requested to inform the Secretariat ([brsgd@itu.int](mailto:brsgd@itu.int)) by 19 March 2006, whether your Administration approves or does not approve these draft Recommendations.

A Member State who indicates that a draft Recommendation should not be approved is requested to advise the Secretariat of the reason and to indicate possible changes in order to facilitate further consideration by the Study Group during the study period (§ 10.4.5.5 of Resolution ITU-R 1-4).

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\* See Administrative Circular CA/145.

After the above-mentioned deadline, the results of this consultation will be notified in an Administrative Circular and arrangements made for the approved Recommendations to be published in accordance with § 10.4.7 of Resolution ITU-R 1-4.

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 “Statement on Radiocommunication Sector Patent Policy” is contained in Annex 1 of Resolution ITU-R 1-4.

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Director, Radiocommunication Bureau

Annex:

1. Titles and summaries of draft Recommendations

Documents attached:

Documents 8/BL/21 – 8/BL/31 on CD-ROM

Distribution:

- Administrations of Member States of the ITU
- Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 8
- ITU-R Associates participating in the work of Radiocommunication Study Group 8

## ANNEX 1

### **Titles and summaries of the draft Recommendations adopted by Radiocommunication Study Group 8**

(Geneva, 21-22 November 2005)

Draft revision of Recommendation ITU-R M.1641

Doc. 8/BL/21

#### **A methodology for co-channel interference evaluation to determine separation distance from a system using high-altitude platform stations to a cellular system to provide IMT-2000 service**

This proposed revision provides improvements to the methodology detailed in this Recommendation. The revision now takes into account the antenna gain of cellular base stations, HAPS antenna gain with consideration of different antenna gain with each tier, etc.

This document clarifies the parameters utilized in the equations for interference calculation equation and adds additional material to scale the power level between both systems in Appendix 1.

Annex 2 contains a revised example of the calculation for separation distance between a HAPS system and a cellular system providing IMT-2000 according to the proposed methodology in Annex 1. In particular it expands the regions of the graphical presentations and tables for lower power levels from the prior version to provide greater resolution and a more accurate analysis for the example typical designs of terrestrial IMT-2000 systems and HAPS base stations.

Draft revision of Recommendation ITU-R M.1039-2

Doc. 8/BL/22

#### **Co-frequency sharing between stations in the mobile service below 1 GHz and mobile earth stations of non-geostationary mobile-satellite systems (Earth-space) using frequency division multiple access (FDMA)**

This Recommendation is being updated to reflect the outcome of recent world radiocommunication conferences and changes in ITU-R texts.

Draft revision of Recommendation ITU-R M.1187

Doc. 8/BL/23

**A method for the calculation of the potentially affected region for a mobile-satellite service network in the 1-3 GHz range using circular orbits**

This revision updates the Recommendation to take account of decisions taken at WRC-03 and changes in the Radio Regulations.

Draft revision of Recommendation ITU-R M.1188

Doc. 8/BL/24

**Impact of propagation on the design of non-GSO mobile-satellite systems not employing satellite diversity which provide service to handheld equipment**

Recommendation ITU-R P.681, which is referenced in this Recommendation, has been substantially revised and the results of new studies have been incorporated. In this process, the chapters of Recommendation ITU-R P.681 were also reorganized. In order to align Recommendation ITU-R M.1188 with the latest revision of Recommendation ITU-R P.681, Recommendation ITU-R M.1188 has been revised accordingly.

Draft revision of Recommendation ITU-R M.1234

Doc. 8/BL/25

**Permissible level of interference in a digital channel of a geostationary satellite network in the aeronautical mobile-satellite (R) service (AMS(R)S) in the bands 1 545 to 1 555 MHz and 1 646.5 to 1 656.5 MHz and its associated feeder links caused by other networks of this service and the fixed-satellite service**

This Recommendation is being updated to reflect the outcome of recent world radiocommunication conferences.

Draft revision of Recommendation ITU-R M.1086

Doc. 8/BL/26

**Determination of the need for coordination between geostationary mobile satellite networks sharing the same frequency bands**

This revision updates the Recommendation to reflect changes in the Radio Regulations.

Draft revision of Recommendation ITU-R M.1233

Doc. 8/BL/27

**Technical considerations for sharing satellite network resources  
between the mobile-satellite service (MSS) (other than the aeronautical  
mobile-satellite (R) service (AMS(R)S)) and AMS(R)S**

This Recommendation is being updated to reflect the outcome of recent world radiocommunication conferences.

Draft revision of Recommendation ITU-R M.1186

Doc. 8/BL/28

**Technical considerations for the coordination between mobile-satellite service  
networks utilizing code division multiple access and other spread spectrum  
techniques in the 1-3 GHz band**

This Recommendation is being updated to reflect the outcome of recent world radiocommunication conferences, including the suppression of Resolution 46.

Draft new Recommendation ITU-R M.[WAS 5 GHz][Doc. 8/72]

Doc. 8/BL/29

**Protection criteria for wireless access systems, including radio local area  
networks, operating in the mobile service in accordance with  
Resolution 229 (WRC-03) in the bands 5 150-5 250 MHz,  
5 250-5 350 MHz and 5 470-5 725 MHz**

This Recommendation provides protection criteria for wireless access systems, including radio local area networks (WAS/RLAN), operating in the mobile service in accordance with Resolution 229 (WRC-03), for the purposes of carrying out compatibility studies with services or applications from which WAS/RLAN systems are to be protected.

Draft new Recommendation ITU-R M.[AM-TEXT]

Doc. 8/BL/30

**Guide to the application of ITU-R texts related to  
the amateur and amateur-satellite services**

This Recommendation identifies ITU-R texts in the Radio Regulations and Recommendations applicable to the amateur and amateur-satellite services.

## **Methodology for deriving performance objectives and its optimization for IP packet applications in the mobile-satellite service**

This Recommendation stipulates the methodology for deriving performance objectives and its optimization for IP packet applications in the mobile-satellite service. The guidelines for the performance parameters and objectives for physical and MAC layers, the methodology for derivation of the performance objectives, and the guidelines for the optimization of TCP performance in IP packet applications in the mobile-satellite service are provided in Annexes 1, 2, and 3 to this Recommendation, respectively.

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