



*Radiocommunication Bureau*  
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Administrative Circular  
CAR/215

2 March 2006

## To Administrations of Member States of the ITU

- Subject:** Radiocommunication Study Group 8
- Proposed approval of 2 draft new Recommendations and 1 draft revised Recommendation

At the meeting of ITU-R Study Group 8 (Mobile, radiodetermination, amateur and related satellite services) held on 21 and 22 November 2005, the Study Group decided to seek adoption of 2 draft new Recommendations and 1 draft revised Recommendation by correspondence, according to § 10.2.3 of Resolution ITU-R 1-4.

As stated in Circular letter 8/LCCE/144, dated 20 December 2005, the consultation period for the Recommendation ended on 20 February 2006.

The Recommendations have now been adopted by Study Group 8 and the approval procedure of Resolution ITU-R 1-4 § 10.4.5 is to be applied, noting the interim procedures recommended by the RAG at its meeting in November 2004\*. The titles and summaries of the 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 2 June 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).

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.

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\* See Administrative Circular [CA/145](#).

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.

Valery Timofeev  
Director, Radiocommunication Bureau

Annex: Titles and summaries

Documents attached:

Document 8/BL/32 – 8/BL/34 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**

Draft new Recommendation ITU-R M.[Doc. 8/91]

Doc. 8/BL/32

#### **Protection of land mobile systems from terrestrial digital video and audio broadcasting systems in the VHF and UHF shared bands allocated on a primary basis**

The purpose of this Recommendation is to establish a protection criterion of land mobile systems from terrestrial digital video and audio broadcasting systems in the VHF (174-230 MHz) and UHF (470-862 MHz) shared bands allocated on a primary basis, where appropriate.

It provides the methodology and formulas to assess the maximum allowable field strength of digital terrestrial broadcasting signals into the land mobile system bandwidth, also taking into account the case of potential partial overlap in frequencies between both systems. Some examples are provided to illustrate the use of this methodology. In addition, for some specific types of land mobile systems and specific types of interfering digital television signals, measured values of protection ratios are included.

Draft revision of Recommendation ITU-R M.1391

Doc. 8/BL/33

#### **Methodology for the calculation of IMT-2000 satellite spectrum requirements**

This revision separates the calculations into two categories for multimedia and non-multimedia traffic. New equations based on Erlang formulas are introduced for the calculation of the spectrum requirements for non-multimedia traffic. The equations to determine the spectrum requirements for multimedia traffic are based on the previous method but have been revised to use parameters for which values are easier to derive and to enable the requirements for broadcast/multicast traffic to be included.

Draft new Recommendation ITU-R M.[Doc. 8/113]

Doc. 8/BL/34

#### **Methodology for calculation of spectrum requirements for the future development of the terrestrial component of IMT-2000 and systems beyond IMT-2000**

This Recommendation describes a methodology for the calculation of terrestrial spectrum requirement estimation for the future development of IMT-2000 and systems beyond IMT-2000.

It provides a systematic approach that incorporates service categories (a combination of service type and traffic class), service environments (a combination of service usage pattern and teledensity), radio environments, market data analysis and traffic estimation by using these categories and environments, traffic distribution among radio access technique groups (RATGs), required system capacity calculation and resultant spectrum requirement determination. The methodology is applicable to both circuit switched and packet switch-based traffic and can accommodate multiple services.