



# INTERNATIONAL TELECOMMUNICATION UNION

*Radiocommunication Bureau*

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**Administrative Circular  
CACE/488**

1 September 2009

**To Administrations of Member States of the ITU, Radiocommunication Sector Members,  
ITU-R Associates participating in the work of Radiocommunication Study Group 5  
and the Special Committee on Regulatory/Procedural Matters**

**Subject: Meeting of Radiocommunication Study Group 5 (Terrestrial services),  
Geneva, 7-8 December 2009**

## **1 Introduction**

By means of this Administrative Circular, we wish to announce that a meeting of ITU-R Study Group 5 will take place in Geneva from 7 to 8 December 2009, following the meetings of Working Parties 5A, 5B and 5C (see Circular Letter [5/LCCE/15](#)).

The Study Group meeting will be held in the ITU Headquarters, Geneva. The opening session will take place at 09:30 hours.

## **2 Programme of the meeting**

The draft agenda for the meeting of Study Group 5 is contained in Annex 1. The Questions assigned to Study Group 5 may be found on:

<http://www.itu.int/publ/R-QUE-SG05/en>

### **2.1 Adoption of draft Recommendations at the Study Group meeting (§ 10.2.2 of Resolution ITU-R 1-5)**

One draft revised Recommendation is proposed for adoption at the Study Group 5 meeting. In conformity with §10.2.2.2 of Resolution ITU-R 1-5, the title and the summary of the draft revised Recommendation are given in Annex 2.

## **2.2 Adoption of draft Recommendations by a Study Group by correspondence (§ 10.2.3 of Resolution ITU-R 1-5)**

The procedure described in § 10.2.3 of Resolution ITU-R 1-5 concerns draft new or revised Recommendations which are not specifically included in the agenda of a Study Group meeting.

In accordance with this procedure, draft new and revised Recommendations prepared during the meetings of Working Parties 5A, 5B, 5C and 5D held prior to the Study Group meeting will be submitted to the Study Group. After due consideration, the Study Group may decide to seek adoption of these draft Recommendations by correspondence. In such cases, the Study Group may also decide to apply the procedure for simultaneous adoption and approval (PSAA) of a draft Recommendation as described in § 10.3 of Resolution ITU-R 1-5 (see also § 2.3 below).

In accordance with § 2.25 of Resolution ITU-R 1-5, Annex 3 to this Circular contains a list of topics to be addressed at the meetings of the Working Parties held prior to the Study Group meeting, and for which draft Recommendations may be developed.

## **2.3 Decision on approval procedure**

At the meeting, the Study Group shall decide on the eventual procedure to be followed for seeking approval for each draft Recommendation in accordance with § 10.4.3 of Resolution ITU-R 1-5. Approval may be sought by submitting the draft Recommendation to the next Radiocommunication Assembly, or by consultation of the Member States; alternatively, the Study Group may decide to use the PSAA procedure described in § 10.3 of Resolution ITU-R 1-5.

## **3 Contributions**

Contributions in response to the work of Study Group 5 are processed according to the provisions laid down in Resolution ITU-R 1-5 and posted on <http://www.itu.int/md/r07-SG05-c/en>. **The deadline for submission of contributions is Monday, 30 November 2009 at 16:00 hours UTC.** Submissions received later than this deadline cannot be accepted. Resolution ITU-R 1-5 provides that contributions which are not available to participants at the opening of the meeting shall not be considered.

Participants are requested to submit contributions by electronic mail to:

[rsg5@itu.int](mailto:rsg5@itu.int)

A copy should also be sent to the Chairman and Vice-Chairmen of Study Group 5. The pertinent addresses can be found on:

[http://www.itu.int/cgi-bin/htsh/compass/cvc.param.sh?acvty\\_code=sg5](http://www.itu.int/cgi-bin/htsh/compass/cvc.param.sh?acvty_code=sg5)

## **4 Participation/Visa requirements**

Delegate/participant registration for the meeting will be carried out online via the ITU-R website. Each Member State/Sector Member/Associate was requested to designate a focal point to be responsible for the handling of all registration requests for his/her administration/organization. Individuals wishing to attend should contact the focal point designated for all Study Group activities for his/her entity directly. The list of designated focal points (DFPs) and detailed information regarding visa requirements is available on the **ITU-R Delegate Registration and Member Information** webpage at:

<http://www.itu.int/ITU-R/go/delegate-reg-info/en>

The Delegate Registration desk will open at 08:30 hours on the first day of the meeting at the entrance of the Montbrillant building. Please note that the confirmation of registration sent to each delegate/participant by e-mail must be presented, together with photo identification, in order to receive a badge.

Information regarding hotel accommodation for meetings held in Geneva is available at <http://www.itu.int/travel/index.html>.

Valery Timofeev  
Director, Radiocommunication Bureau

**Annexes: 3**

**Distribution:**

- Administrations of Member States and Radiocommunication Sector Members
- ITU-R Associates participating in the work of Radiocommunication Study Group 5
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups and Special Committee on Regulatory/Procedural Matters
- 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 1**

### **Draft agenda for the meeting of Radiocommunication Study Group 5**

(Geneva, 7-8 December 2009)

- 1** Opening of the meeting
- 2** Approval of the agenda
- 3** Appointment of the Rapporteur
- 4** Approval of the Summary Record of the previous meeting (Document [5/155](#))
- 5** Consideration of the outputs of the Working Parties
  - 5.1** Working Party 5A
  - 5.2** Working Party 5B
  - 5.3** Working Party 5C
  - 5.4** Working Party 5D
- 6** Consideration of other inputs (if any)
- 7** Status of Handbooks, Questions, Recommendations, Reports, Opinions, Resolutions and Decisions
- 8** Liaison with other Study Groups, CCV and international organizations
- 9** Schedule of meetings
- 10** Any other business

A. HASHIMOTO  
Chairman, Radiocommunication Study Group 5

## **Annex 2**

### **Title and summary of the draft revised Recommendation proposed for adoption at the Study Group 5 meeting**

Draft revision of Recommendation ITU-R M.1457-8

Doc. 5/158

### **Detailed specifications of the radio interfaces of International Mobile Telecommunications-2000 (IMT-2000)**

#### **Summary of the revision**

This modification of Recommendation ITU-R M.1457 is intended to keep the specified technologies of the terrestrial component of IMT-2000 up to date. The main changes include the addition of enhanced capabilities for some of the radio interfaces, and some consequential changes to the overview sections of the text, as well as to the Global Core Specifications.

#### **Modifications**

The modifications are as follows:

- The title and Sections 1-4 have been updated also taking into account the guidance provided in Document 5/44.
- IMT-2000 CDMA Direct Spread and IMT-2000 CDMA TDD (Sections 5.1 and 5.3)  
The main purpose of this update is to align Recommendation ITU-R M.1457 to the most updated versions of the specifications of IMT-2000 CDMA DS and IMT-2000 CDMA TDD. Sections 5.1.1 and 5.3.1 were reviewed and some amendments proposed in order to ensure full consistency.
- IMT-2000 CDMA Multi-Carrier (Section 5.2)  
The proposed update provides enhanced CDMA MC air interface (TDD) specification and editorial modifications to Revision 8 of the technical summary of IMT-2000 CDMA MC as well as additional technical summary corresponding to its recent enhancements.
- IMT-2000 TDMA Single-Carrier (Section 5.4)  
This proposed update to TDMA-SC is a product of the new developments of the latest Release 7 GSM/EDGE Radio Access Network (GERAN) specifications containing enhanced GPRS phase 2 (EGPRS2) which provides some additional features. In addition, this update removes references to a 136HS Indoor TDD option which was never developed.
- IMT-2000 FDMA/TDMA (Section 5.5)  
All the previous DECT features are maintained. The major additions are:
  - Completion of the second application profile for “New Generation DECT” which specifies the packet-mode data service supporting Internet Protocol with efficient spectrum usage and high data rate.

- Completion of the third application profile for “New Generation DECT” which specifies the interoperable implementation of extended services for wideband speech.
- The base standard has been updated to include the necessary protocol elements for the new services.
- The “DECT Packet Radio Service” standard has been updated to improve the efficiency of the data transfer.

- IMT-2000 OFDMA TDD WMAN (Section 5.6)

The main purpose of this update is to align Recommendation ITU-R M.1457 to the most updated versions of the specifications underlying the radio interface IMT-2000 OFDMA TDD WMAN. Furthermore, alignment is made by incorporating the FDD mode of IEEE Std 802.16. The main enhancements are in VoIP capacity, MIMO, load balancing, and handover latency.

- Sections 6 and 7.2 (satellite material) have been deleted as per Document 5/44.

### **Annex 3**

#### **Topics to be addressed at meetings of Working Parties 5A, 5B, 5C and 5D held prior to the meeting of Study Group 5 and for which draft Recommendations may be developed**

##### **Working Party 5A**

- Preliminary draft revision of Recommendation ITU-R M.1801 – Radio interface standards for broadband wireless access systems, including mobile and nomadic applications, in the mobile service operating below 6 GHz (Annex 7 to Document 5A/305)
- Preliminary draft new Recommendation ITU-R M.[WAS.QoS] – Performance and availability requirements and objectives for wireless access systems (Annex 8 to Document 5A/305)
- Preliminary draft new Recommendation ITU-R M.[LMS.PPDR.UHF] – Harmonized frequency arrangements for public protection and disaster relief (PPDR) radiocommunication systems in UHF bands (Annex 9 to Document 5A/305)
- Preliminary draft new [Recommendation or Report] – Mobile wireless access systems providing communications to a large number of ubiquitous sensors and/or actuators scattered over wide areas in the land mobile service (Annex 13 to Document 5A/305)
- Preliminary draft revision of Recommendation ITU-R M.1310 – Intelligent transport systems (ITS) – Objectives and requirements (Annex 14 to Document 5A/305)

##### **Working Party 5B**

- Preliminary draft revision of Recommendation ITU-R M.1802 – Characteristics and protection criteria for radars operating in the radiolocation service in the frequency band 30-300 MHz (Annex 2 to Document 5B/296)
- Preliminary draft new Recommendation ITU-R M.[HF-RADAR] – Technical and operational characteristics of oceanographic radars operating in sub-bands within the frequency range 3-50 MHz (Annex 3 to Document 5B/296)

##### **Working Party 5C**

- Preliminary draft revision of Recommendation ITU-R F.1245-1 – Mathematical model of average and related radiation patterns for line-of-sight point-to-point radio-relay system antennas for use in certain coordination studies and interference assessment in the frequency range from 1 GHz to about 70 GHz (Annex 2 to Document 5C/217)
- Preliminary draft new Recommendation ITU-R F.[HAPS MODELLING] – Interference analysis modelling for sharing between HAPS gateway links and existing services in the range 5 850-7 075 MHz (Annex 9 to Document 5C/217)

- Preliminary draft new Recommendation ITU-R F.[HAPS CHAR] – Technical and operational characteristics of gateway links in the fixed service using high altitude platform stations in the band 5 850-7 075 MHz to be used in sharing studies (Annex 10 to Document 5C/217)
- Preliminary draft new ITU-R Recommendation for interference between HAPS gateways and conventional FS systems (Annex 11 to Document 5C/217)
- Preliminary draft revision to Recommendation ITU-R F.758-4 – Considerations in the development of criteria for sharing between the fixed service and other services (Annex 14 to Document 5C/217)
- Preliminary draft Revision of Recommendation ITU-R F.1336-2 – Reference radiation patterns of omnidirectional, sectoral and other antennas in point-to-multipoint systems for use in sharing studies in the frequency range from 1 GHz to about 70 GHz (Annex 15 to Document 5C/217)
- Preliminary draft revision of Recommendation ITU-R F.1335 – Technical and operational considerations in the phased transitional approach for bands shared between the mobile-satellite service and the fixed service at 2 GHz (Annex 19 to Document 5C/217)

#### **Working Party 5D**

- Preliminary draft revision of Recommendation ITU-R M.1036-3 – Frequency arrangements for implementation of the terrestrial component of International Mobile Telecommunications (IMT) in the bands identified for IMT in the Radio Regulations (RR) (Attachment 5.5 of Document 5D/526).
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