



*Radiocommunication Bureau*  
(Direct Fax N°. +41 22 730 57 85)

Administrative Circular  
CACE/397

28 July 2006

**To Administrations of Member States of the ITU and  
Radiocommunication Sector Members participating in the  
work of the Radiocommunication Study Groups and the Special  
Committee on Regulatory/Procedural Matters**

**Subject:** Meeting of Radiocommunication Study Group 9 (Fixed service).  
Geneva, 4-5 September 2006.

## **1 Introduction**

By means of this Administrative Circular, we wish to announce that a meeting of ITU-R Study Group 9 will take place in Geneva from 4 to 5 September 2006.

The Study Group meeting will be held in the ITU Headquarters, Geneva. Services directly connected with meeting activities, such as delegate registration, document distribution, etc. will be located in the vicinity of the meeting room. The opening session will take place at 09:30 hours on 4 September 2006. Registration of delegates will start at 08:30 hours, **in the Montbrillant building only (all delegates should enter the building exclusively through this entrance)**, on the opening day.

## **2 Programme of the meeting**

The draft agenda for the meeting of Study Group 9 is contained in Annex 1. Contributions from participants will be processed in accordance with Resolution ITU-R 1-4.

The Questions assigned to Study Group 9 can be found at:

<http://web/ITU-R/publications/download.asp?product=que09&lang=e>

## **2.1 Adoption of draft Recommendations at the Study Group meeting (§ 10.2.2 of Resolution ITU-R 1-4)**

Six draft Recommendations, prepared by Working Parties 9A, 9B, 9C and 9D, are proposed for adoption by the Study Group in accordance with § 10.2.2 of Resolution ITU-R 1-4.

In conformity with §§ 2.25 and 10.2.2.2 of Resolution ITU-R 1-4, the titles and the summaries of the draft Recommendations are given in Annex 2.

## **2.2 Adoption of draft Recommendations by a Study Group by correspondence (§ 10.2.3 of Resolution ITU-R 1-4)**

The procedure described in § 10.2.3 of Resolution ITU-R 1-4 concerns draft new or revised Recommendations which are not specifically included in the agenda of a Study Group meeting or for which there was insufficient time for their preparation in the working languages prior to the meeting.

There are no draft new or revised Recommendations foreseen to fall into this category.

## **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 1-4. 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 1-4.

## **3 Visa requirements**

We would remind you that citizens of some countries are required to obtain a visa in order to enter and spend any time in Switzerland. The visa must be requested and obtained from the office (embassy or consulate) representing Switzerland in your country or, if there is no such office in your country, from the one that is closest to the country of departure. If problems are encountered, the Union can, at the official request of the administration or company you represent, approach the competent Swiss authorities in order to facilitate delivery of the visa.

Visa requests should be made via an official covering letter from the administration or company you represent. This letter must specify your name and function, date of birth, passport number as well as the date of issuance and expiration. The letter must be accompanied by a photocopy of your passport and completed registration form and must be sent by fax to the ITU-R Document and Meetings Unit, Office V.434, Attention: Mrs. L. Kocher. The fax number is +41 22 730 6600. Please note that the Union needs at least one week to process all papers required for the delivery of a visa.

#### **4 Participation**

Based on the registration of participants received one month prior to the meeting, appropriate interpretation facilities will be provided.

In order to make the necessary arrangements, it is requested that the intended participation of your representative(s) be advised not later than one month before the opening of the meeting, by means of the annexed form (Annex 3) (to be photocopied as required). For hotel accommodation see: <http://www.itu.int/travel>.

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 9
- 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 9**

(Geneva, 4-5 September 2006)

- 1** Opening of the meeting and approval of the agenda
  - 1.1** Appointment of Rapporteur(s) for summary records
- 2** Report from the Chairman of Study Group 9
- 3** Working Party 9A
  - 3.1** Executive report from the Chairman of Working Party 9A
  - 3.2** Adoption of draft Recommendations and decision on approval procedure to be followed
  - 3.3** Adoption of draft Questions and categorization of Questions
- 4** Working Party 9B
  - 4.1** Executive report from the Chairman of Working Party 9B
  - 4.2** Adoption of draft Recommendations and decision on approval procedure
  - 4.3** Adoption of draft Questions and categorization of Questions
- 5** Working Party 9C
  - 5.1** Executive report from the Chairman of Working Party 9C
  - 5.2** Adoption of draft Recommendations and decision on approval procedure
  - 5.3** Adoption of draft Questions and categorization of Questions
- 6** Working Party 9D
  - 6.1** Executive report from the Chairman of Working Party 9D
  - 6.2** Adoption of draft Recommendations and decision on approval procedure
  - 6.3** Adoption of draft Questions and categorization of Questions
- 7** Update of Recommendations under Resolution ITU-R 44-1
- 8** Progress report on Working Party 4-9S
- 9** Structure of Working Parties of Study Group 9 and assignment of Questions to Working Parties
- 10** Establishment of an Editorial Group
- 11** Appointment or confirmation of Chairmen of Working Parties and Editorial Group, and liaison Rapporteurs
- 12** Status of texts
- 13** Any other business

V. M. MINKIN  
Chairman, Radiocommunication Study Group 9

## ANNEX 2

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

#### **Doc. 9/102(Rev.1) Draft revision of Recommendation ITU-R F.1336-1**

##### **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**

This Recommendation gives reference models of the peak and average antenna patterns of omnidirectional, sectoral and directional antennas in point-to-multipoint systems to be used in sharing studies in the frequency range 1 GHz to about 70 GHz.

This revision updates the models of peak radiation patterns of omnidirectional and sectoral antennas with more representative ones and gives new models of average radiation patterns for all antennas to be used in sharing studies involving multiple interferers.

#### **Doc. 9/103 Draft new Recommendation ITU-R F.[ENG]**

##### **System characteristics for use in sharing studies with television outside broadcast (TVOB), electronic news gathering (ENG) and electronic field production (EFP) in the fixed service**

This Recommendation “System characteristics for use in sharing studies with television outside broadcast (TVOB), electronic news gathering (ENG) and electronic field production (EFP) in the fixed service” contains the typical system parameters and operational requirements for these broadcast auxiliary services (BAS)<sup>1</sup>, which are required for sharing studies between the analogue and digital BAS in the fixed service and other services.

#### **Doc. 9/104 Draft revision of Recommendation ITU-R F.1566**

##### **Performance limits for maintenance of digital fixed wireless systems operating in plesiochronous and synchronous digital hierarchy –based international paths and sections**

This Recommendation provides performance limits for international PDH and SDH paths and sections implemented using FWS. The approach is aligned to ITU-T maintenance of digital fixed wireless systems approach, but some media-specific (FWS) aspects are incorporated. The Annex details the application of the performance limits for BIS.

This revision defines more precisely the performance objectives according to current versions of ITU-T Recommendations G.826, G.828, M.2100 and M.2101 and defines more precisely the objectives calculation algorithm.

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<sup>1</sup> The term “BAS” also known as Services Ancillary to Broadcasting (SAB) are defined in the Report ITU-R BT.[Doc.6/268].

## **Doc. 9/105 Draft revision of Recommendation ITU-R F.1668**

### **Error performance objectives for real digital fixed wireless links used in 27 500 km hypothetical reference paths and connections**

This Recommendation provides updated information on error performance objectives for real digital fixed wireless links used in 27 500 km hypothetical reference paths and connections. It is the only Recommendation defining error performance objectives for all real digital fixed wireless links. Performance events and objectives for connections using equipment designed prior to approval of ITU-T Recommendation G.826 in December 2002 are given in ITU-T Recommendation G.821 and Recommendations ITU-R F.634, ITU-R F.696 and ITU-R F.697. Recommendations ITU-R F.1397 and ITU-R F.1491 are superseded by this Recommendation. Example of a connection, path, link, hop are given in Annex 1. Definitions of the error performance events, derived from ITU-T Recommendations G.826 and G.828, are given in Annex 2. Examples of calculations of the error performance parameters are given in Annex 3.

This revision defines more precisely the error performance objectives for SDH paths using equipment designed prior to the adoption of ITU-T Recommendation G.828 in March 2000. ITU-T. The relevant example of calculations of the error performance parameters is added to the Annex 3.

## **Doc. 9/106 Draft revision of Recommendation ITU-R F.386-6**

### **Radio-frequency channel arrangements for fixed wireless systems operating in the 8 GHz band**

This Recommendation provides radio-frequency channel arrangements for fixed wireless systems operating in the 8 GHz band, which may be used for high, medium and low capacity systems. The preferred radio frequency channel arrangements are based on multiples of basic slots either of 3.5 MHz or 2.5 MHz width. Examples tailored in various segments of the 8 GHz band are presented in Annexes 2, 3, 4, 5 and 7. Annex 1 presents an arrangement for high capacity digital systems used in some countries. For migration opportunity, Annex 6 presents channel arrangement which was considered preferred for the deployment of analogue systems and that may still be used for digital systems.

The following are the main revisions:

- The “*considerings*” and “*recommends*” are updated to reflect the changes in the main text;
- The term “radio-relay” is changed to “fixed wireless”;
- Main references to analogue applications are removed;
- Annexes 1, 2, 3 and 4 are updated;
- Annex 5 is added to present RF channel arrangement in the band 7 725-8 275 MHz;
- Annex 6 presents current recommended analogue arrangement which may still be in use for some digital systems, and
- Annex 7 is added to present RF channel arrangement in the band 8 025-8 500 MHz.

**Doc. 9/107 Draft new Recommendation ITU-R F.[9C/HF-AR]**

**Channel access requirements for HF adaptive systems in the fixed service**

This Recommendation describes channel access objectives and techniques for HF adaptive systems in the fixed service to minimize interference to other systems.

HF adaptive systems operating below 30 MHz have the potential to mutually interfere when operating at the same frequencies and within range of other HF systems. This document describes objectives and means to mitigate such interference.

ANNEX 3  
Registration Form  
ITU-R Meetings

Geneva, Switzerland, 25 August - 21 September 2006



Radiocommunication Bureau

I wish to participate in

WP 4-9S 25/8-1/9	WP 7B 28-31/8	WP 7D 28-31/8	WP 4B 28/8-1/9	WP 7C 28/8-1/9	WP 7A 29/8-1/9	SG 9 4-5/9	WP 4A 4-13/9	JSG 4&9 5/9

WP 8B 5-13/9	WP 8A 6-14/9	WP 9C 7-13/9	WP 6E 11-15/9	WP 8D 11-15/9	TG 1/9 11-15/9	SG 4 14-15/9	SG 6 18-19/9	SG 8 20-21/9

Mr. Mrs. Ms. Miss: .....  
(family name) (first name)

Accompanied by family member(s): .....  
(family name) (first name)

1. REPRESENTATION

Name of Member State: .....

Head of Delegation  Deputy  Delegate

To be completed by representatives of Member States only

Name of Sector Member: .....

- Recognized Operating Agencies
- Scientific or Industrial Organizations
- UN, Specialized Agencies and the IAEA
- Regional and other International Organizations
- Regional Telecommunication Organizations
- Intergovernmental Organizations operating Satellite Systems
- Other Entities dealing with Telecommunication matters
- Associates

2. OFFICIAL ADDRESS

Name of the Company: .....

Street Address: .....

City/State/Code/Country: .....

Business tel.: ..... Fax: .....

E-mail: ..... In case of emergency: .....

3. DOCUMENTS

I wish to receive paper copies during the meeting:  Yes  No

If yes, indicate one language only:  English  French  Spanish  
 Arabic  Chinese  Russian

Upon request, contributions are available at the Document Distribution Desk

Date : ..... Signature: .....

For BR Secretariat use only

Approved (if applicable) Personal Section Meeting Section Pigeonhole  
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