



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

Administrative Circular
CACE/322

19 July 2004

**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)

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 30 September to 1 October 2004, immediately after the meetings of Working Parties 9A, 9B, 9C and 9D (see Circular Letter [9/LCCE/82](#), dated 24 June 2004).

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 and registration of delegates will start at 08:30 hours on 30 September 2004.

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 on:

<http://www.itu.int/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 were prepared by Working Parties 9B and 9C are proposed for adoption by the Study Group at its meeting in accordance with § 10.2.2 of Resolution ITU-R 1-4.

In accordance with §§ 2.25 and 10.2.2 of Resolution ITU-R 1-4, the titles and 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.

In accordance with this procedure, draft new and revised Recommendations prepared during the meetings of Working 9A, 9B, 9C and 9D, held immediately before 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 1-4; (see also § 2.3 below).

In accordance with § 2.25 of Resolution ITU-R 1-4, Annex 3 to this Circular contains a list of topics to be addressed at the Working Party meetings just 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 1-4, approval may be sought by submitting the draft Recommendation to the next Radiocommunication Assembly, or by consultation of the Member States, unless the Study Group decide to apply the procedure for simultaneous adoption and approval (PSAA) of a draft Recommendation as described in § 10.3 of Resolution ITU-R 1-4.

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. Any such request must specify the name and functions of the individual(s) for whom the visa(s) is/are requested and be accompanied by a copy of the approved registration form approved for the ITU conference or meeting in question.

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 4). For hotel accommodation see <http://www.itu.int/travel/index.html>.

Valery Timofeev
Director, Radiocommunication Bureau

Annexes: 4

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, 30 September to 1 October 2004)

- 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** Presentation of delayed contributions, if any
- 4** Working Party 9A
 - 4.1** Executive report from the Chairman of Working Party 9A
 - 4.2** Adoption of draft Recommendations and decision on approval procedure to be followed
 - 4.3** Adoption of draft Questions and categorization of Questions
- 5** Working Party 9B
 - 5.1** Executive report from the Chairman of Working Party 9B
 - 5.2** Adoption of draft Recommendations and decision on approval procedure
 - 5.3** Adoption of draft Questions and categorization of Questions
- 6** Working Party 9C
 - 6.1** Executive report from the Chairman of Working Party 9C
 - 6.2** Adoption of draft Recommendations and decision on approval procedure
 - 6.3** Adoption of draft Questions and categorization of Questions
- 7** Working Party 9D
 - 7.1** Executive report from the Chairman of Working Party 9D
 - 7.2** Adoption of draft Recommendations and decision on approval procedure
 - 7.3** Adoption of draft Questions and categorization of Questions
- 8** Progress report on Working Party 4-9S
 - 8.1** Adoption of draft Recommendations and decision on approval procedure
- 9** Structure of Working Parties of Study Group 9 and assignment of Questions to Working Parties

- 10** Results of RA-03, WRC-03, CPM06-1 and RRC-04
- 11** Establishment of an Editorial Group
- 12** Appointment or confirmation of Chairmen of Working Parties and Editorial Group, and liaison Rapporteurs
- 13** Status of texts
- 14** Any other business

V.M. MINKIN
Chairman
Radiocommunication Study Group 9

Annex 2

Titles and summaries of draft Recommendations

Draft modification of Recommendation ITU-R F.763-4

Doc. 9/8

Data transmission over HF circuits using phase shift keying or quadrature amplitude modulation

This document proposes to add new information for data rates from 3 200 to 12 800 bit/s waveforms to Recommendation ITU-R F.763-4 “Data transmission over HF circuits using phase shift keying or quadrature amplitude modulation”. The key features of this waveform are:

- a) ability to track an HF channel with 3-5 ms of multipath fading;
- b) ability to correct for errors caused by fading, multipath and noise;
- c) the equipment passband bandwidth requirement is 300 to 3 050 Hz;
- d) automatic data Rate and Interleaver detection;
- e) able to tolerate a shift of ± 75 Hz between the transmission and reception HF carriers.

Draft new Recommendation ITU-R F.[9B/TREND]

Doc. 9/9

Technology developments and application trends in the fixed service

This Recommendation provides guidance on the future development of fixed wireless systems, in particular their technology development and application trends. The Annex discusses technology trend overview and role of fixed wireless systems in telecommunication networks. Evolving applications and possibility of use of higher frequency bands are also addressed.

Draft modification of Recommendation ITU-R F.1102-1

Doc. 9/10

Characteristics of fixed wireless systems operating in frequency bands above about 17 GHz

This Recommendation provides characteristics of fixed wireless systems operating in frequency bands above about 17 GHz. In this revision, applications of systems in these bands are reviewed, and vertically-connected wireless link used in the user building environment is added to Table 1 which summarizes a categorization of applications.

Draft revision of Recommendation ITU-R F.385-7

Doc. 9/13

Radio-frequency channel arrangements for radio-relayfixed wireless systems operating in the 7 GHz band

This Recommendation provides radio frequency channel arrangements for fixed wireless systems (FWS) operating in the 7 GHz band. The revision is intended to add new arrangements with 28, 14 and 7 MHz channel separation to the Annex 5 dealing with the band 7 250-7 550 MHz. The term “radio-relay” is replaced with “fixed wireless” all through the text. The old descriptions related to the analogue systems are removed.

Draft modification of Recommendation ITU-R F.1568

9/14

Radio-frequency block arrangements for fixed wireless access systems in the range 10.15-10.3/10.5-10.65 GHz

This Recommendation provides radio frequency block arrangements for fixed wireless access (FWA) systems in the range 10.15-10.3/10.5-10.65 GHz. The modification is made to add to the Annex 1 a new Note, which additionally specifies use of 7 MHz blocks within the already defined 28 MHz block.

Draft modification of Recommendation ITU-R F.1108-3

Doc. 9/15

Determination of the criteria to protect fixed service receivers from the emissions of space stations operating in non-geostationary orbits in shared frequency bands

The modification aims to make the Recommendation applicable to highly elliptical orbit (HEO) satellites.

Annex 3

Topics to be addressed at the meetings of Working Parties 9A, 9B, 9C and 9D held shortly prior to the meeting of Study Group 9 and for which draft Recommendations may be developed

Working Party 9A

- Availability objectives for real digital fixed wireless links used in 27 500 km hypothetical reference paths
- Effects of multipath propagation on the design and operation of line-of-sight digital fixed wireless systems (Rec. ITU-R F.1093)
- BIS and maintenance of digital fixed wireless links (proposed revision of Recommendations ITU-R F.1330 and ITU-R F.1566)

Working Party 9B

- Fixed wireless systems providing broadband wireless access
- Use of FS systems in the deployment of IMT-2000 infrastructure networks
- Analysis and optimisation of the FS error performance in BIS and maintenance aspects
- Multipoint-to-multipoint systems using mesh network topology

Working Party 9C

- Signal-to-interference protection ratios for various classes of emission in the fixed service below about 30 MHz (possible revision of Recommendation ITU-R F.240)
- Bandwidths, signal-to-noise ratios and fading allowances in complete systems (possible revision of Recommendation ITU-R F.339)
- The use of ionospheric channel sounding systems operating in the fixed service at frequencies below about 30 MHz (possible revision of Recommendation ITU-R F.613)
- Data transmission over HF circuits using phase shift keying or quadrature amplitude modulation (possible revision of Recommendation ITU-R F.763)
- Adaptive radio systems for frequencies below about 30 MHz (possible revision of Recommendation ITU-R F.1110)
- Frequency management of adaptive HF radio systems and networks using FMCW oblique-incidence sounding (possible revision of Recommendation ITU-R F.1337)

Working Party 9D

- Protection criteria for point-to-point fixed wireless systems sharing the same frequency band with nomadic wireless access systems in the 4 to 6 GHz range
- Reference radiation patterns of omnidirectional, sectoral and other antennas in point-to-multipoint systems for use in sharing studies (possible revision of Recommendation ITU-R F.1336-1).

Annex 4



Registration Form ITU-R Meetings Geneva, Switzerland, 6 September – 1 October 2004

Radiocommunication Bureau

I wish to participate in

WP 8A 6-15/9	WP 8B 7-16/9	WP 8D 7-17/9	WP 9B 20-28/9	WP 9A 21-28/9	WP 9D 21-29/9
WP 9C 23-29/9	WP 7C 27/9-1/10	WP 7D 27/9-1/10	WP 7B 27/9-1/10	WP 7A 28/9-1/10	SG 9 30/9-1/10

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:

- | | |
|---|--|
| <input type="checkbox"/> Recognized Operating Agencies | <input type="checkbox"/> Regional Telecommunication Organizations |
| <input type="checkbox"/> Scientific or Industrial Organizations | <input type="checkbox"/> Intergovernmental Organizations operating Satellite Systems |
| <input type="checkbox"/> UN, Specialized Agencies and the IAEA | <input type="checkbox"/> Other Entities dealing with Telecommunication matters |
| <input type="checkbox"/> Regional and other International Organizations | <input type="checkbox"/> 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 English French Spanish

Date: Signature:

For BR Secretariat use only

Approved (if applicable)

Personal Section

Meeting Section

Pigeonhole

To be returned duly completed to the Radiocommunication Bureau

Place des Nations
CH-1211 Geneva 20
Switzerland

Telephone: +41 22 7305802
Telefax: +41 22 7306600
Email: linda.kocher@itu.int