INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau
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Administrative Circular
CACE/361

31 August 2005

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, 1–2 December 2005

1 Introduction

By means of this Administrative Circular, we wish to announce that a meeting of ITU-R Study Group 9 will take place from 1 to 2 December 2005, immediately after the meetings of Working Parties 9A, 9B, 9C and 9D (see Circular Letter 9/LCCE/89, dated 23 August 2005).

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 1 December 2005.

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 in:
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)

12 draft Recommendations, prepared by working Parties 9A, 9B, 9D and 4-9S at their meetings in April/May 2005, are proposed for adoption by the Study Group at its meeting in accordance with § 10.2.2 of Resolution ITU-R 1-4. The titles and summaries of the draft Recommendations can be found in Annex 2.

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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 Parties 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; alternatively, the Study Group may decide to use the PSAA procedure described in § 10.3 of Resolution ITU-R 1-4.

If, at its meeting, a Study Group decides that a draft Recommendation resulting from the study of a Question identified as suitable for the Alternative Approval Procedure (AAP) has no policy or regulatory implications, the approval process of Resolution ITU-R 45-1 may be applied. In such cases, the draft Recommendation should be considered for adoption using the correspondence procedure described above in § 2.2. Once adopted by this procedure, such a Recommendation shall then be considered approved in accordance with Resolution ITU-R 45-1.

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 4) (to be photocopied as required). For hotel accommodation see http://www.itu.int/travel/.

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, 1-2 December 2005)

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

9 Structure of Working Parties of Study Group 9 and assignment of Questions to Working Parties

10 Results of RAG-05.

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 the draft new and revised Recommendations

Doc. 9/51 Draft new Recommendation ITU-R F.[9B/BWA]

Radio interface standards for broadband wireless access systems in the fixed service operating below 66 GHz

This Recommendation identifies specific radio interface standards for BWA systems in the fixed service operating below 66 GHz, addressing profiles for the recommended interoperability standards. It provides references to the standards for interoperability between BWA systems.

The interoperability standards referenced in this Recommendation include the following specifications:

– system profiles;
– physical layer parameters, i.e. channelization, modulation scheme, data rates;
– medium access control (MAC) layer messages and header fields;
– conformance testing methods.

This Recommendation is not intended to deal with the identification of suitable frequency bands for BWA systems, nor any regulatory issues.

Doc. 9/53 Draft revision of Recommendation ITU-R F.1330-1

Performance limits for bringing into service of the parts of international plesiochronous digital hierarchy and synchronous digital hierarchy paths and sections implemented by digital fixed wireless systems

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; makes additional changes to RPO allocation for paths of less than 500 km; defines more precisely the BIS objectives calculation algorithm. The existing dual threshold limits (S1, S2) are retained in preference to the simplified ITU-T approach on account of the specific nature of the transmission media supporting radio applications.

Doc. 9/56 Draft revision of Recommendation ITU-R F.1093-1

Effects of multipath propagation on the design and operation of line-of-sight digital fixed wireless radio-relay systems

This revision takes into account that much of the material earlier provided is now incorporated into other ITU-R Recommendations and the ITU-R Handbook on digital radio relay systems. The approach is aligned to the current approach adopted in Recommendation ITU-R P.530.

Doc. 9/57 Draft revision of Recommendation ITU-R F.1609

Interference evaluation from fixed service systems using high altitude platform stations to conventional fixed service systems in the bands 27.5-28.35 GHz and 31-31.3 GHz

This revision adds a new Annex 3 providing another example calculation of interference for the HAPS-to-FWA station direction in the 28 GHz band under practical situations while the examples in Annexes 1 and 2 are based on the worst interference scenario. The new calculations adopt a stochastic approach for the FWA station antenna direction which is one of the most dominant parameters in the interference evaluation.

Doc. 9/58 Draft revision of Recommendation ITU-R F.382-7

Radio-frequency channel arrangements for fixed-wireless systems operating in the 2 and 4 GHz bands

This Recommendation dealing with frequency channel arrangements in the 2 and 4 GHz bands is revised. The alternative arrangement described in the existing Note 2 is transferred to the new Annex incorporating detailed information on this arrangement using the 3 700-4 200 MHz range. All the old information relating to analogue systems are eliminated. Also the term radio-relay used in all through the text is replaced with fixed wireless.

Doc. 9/59 Draft new Recommendation ITU-R F.[HAPS-RRS]

Methodology to evaluate interference from fixed service system using high altitude platform stations (HAPS) to fixed wireless radio-relay system in the bands above 3 GHz

This Recommendation provides a methodology for interference evaluation to be used for sharing studies between fixed service (FS) systems using high altitude platform stations (HAPS) and conventional fixed wireless system in the frequency bands above 3 GHz in response to the technical study invited by Resolution 734(Rev. WRC-03). Interference situations from HAPS airships and ground stations to the radio-relay stations are analyzed.

Doc. 9/60 Draft new Recommendation ITU-R F.[9D/P-PAEIRP]

Methodology for determining the aggregate equivalent isotropically radiated power from point-to-point high-density applications in the fixed service operating in bands above 30 GHz

This Recommendation provides methodologies which may be used to derive the aggregate equivalent isotropically radiated power *(a.e.i.r.p.*) for transmitting point-to-point (P-P) high density applications in the fixed service (HDFS) stations in bands above 30 GHz which may be used by administrations wishing to assess the potential interference from P-P HDFS stations to other interfered-with services in their national and bilateral discussions.

Doc. 9/63 Draft revision of Recommendation ITU-R F.595-8

Radio-frequency channel arrangements for fixed wireless systems operating in the 18 GHz frequency band

Doc. 9/64 Draft revision of Recommendation ITU-R F.384-8

Radio-frequency channel arrangements for medium and high capacity digital fixed wireless systems operating in the upper 6 GHz band

This Recommendation dealing with frequency channel arrangements in the upper 6 GHz band is revised. An arrangement with a spacing of 10 MHz is newly added to accommodate medium capacity synchronous digital hierarchy systems.

Doc.9/66 Draft new Recommendation ITU-R F.[9D/RA43GHZ]1

Methodology to determine the probability of a radio astronomy observatory suffering interference based on calculated exclusion zones to protect against interference from point-to-multipoint high-density applications in the fixed service operating in bands around 43 GHz

This Recommendation provides a methodology which may be used to derive exclusion zones around radio astronomy sites for transmitting point-to-multipoint (P-MP) high density applications in the fixed service (HDFS) which may be used by administrations in national and bilateral discussions as method to protect radio astronomy sites from potential interference from P-MP HDFS stations.

Doc.9/67 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 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. 9/68 Draft Revision of Recommendation ITU-R F.669-6

Reference radiation patterns for fixed wireless system antennas for use in coordination studies and interference assessment in the frequency range from 100 MHz to about 70 GHz

This revision adds cross-polar discrimination calculation methodologies for the fixed wireless system antennas.

Annex 3

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

WP 9A

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

WP 9B

Draft revision of Recommendation ITU-R F.387-9 - Radio-frequency channel arrangements for radio-relay systems operating in the 11 GHz band

Draft revision of Recommendation ITU-R F.1105-1 - Transportable fixed radiocommunications equipment for relief operations

Draft new Recommendation - Technical and operational requirements for broadband wireless access in the fixed service

WP 9C

Draft new Recommendation - Characteristics of adaptive communications systems in the MF/HF bands

Draft new Recommendation - Characteristics of High Frequency (HF) non-adaptive communication systems

Draft new Recommendation - Characteristics of High Frequency (HF) electronic messaging communication systems

WP 9D

Draft revision of Recommendation ITU-R F.758-3 - Considerations in the development of criteria for sharing between the fixed service and other services

Draft revision of Recommendation ITU-R F.1670 - Protection of fixed wireless systems from terrestrial digital video broadcasting systems in the VHF and UHF shared bands

Draft new Recommendation - Technical and operational characteristics of systems in the fixed service to facilitate sharing with the Earth exploration-satellite (passive) and space research (passive) services in the band 36-37 GHz and/or 10.6-10.68 GHz

Draft new Recommendation - System characteristics for sharing with analogue and digital television outside broadcast (TVOB), electronic news gathering (ENG) and electronic field production (EFP) in the fixed service

Draft new Recommendation - Methodology for the calculation of aggregate equivalent isotropically radiated power (a.e.i.r.p.) distribution from point-to-multipoint high density applications in the fixed service operating in bands above 30 GHz

Annex 4

Registration Form
ITU-R Meetings
Geneva, Switzerland, 1 November - 2 December 2005

Radiocommunication Bureau

I wish to participate in

WP 4B 1-8/11	SG 7 7/11	WP 4A 7-16/11	WP 7A 8-11/11	WP 7D 8-11/11	WP 7B 8-14/11	WP 7C 8-14/11	WP 4-9S 14-21/11

SG 7 15/11	SG 4 17-18/11	SG 8 21-22/11	WP 9B 22-30/11	WP 9D 22-30/11	WP 9A 23-30/11	WP 9C 24-29/11	SG 9 1-2/12

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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