



Radiocommunication Bureau

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Administrative Circular
CACE/395

18 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 3 (Radiowave propagation)

1 Introduction

By means of this Administrative Circular, we wish to announce that a meeting of ITU-R Study Group 3 will take place in Geneva from 9 to 10 October 2006, after the meetings of Working Parties 3J, 3K, 3L and 3M (28 September – 6 October 2006, see Circular Letter 3/LCCE/26 dated 7 July 2006).

The 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 the 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 meeting

The draft agenda for the meeting of Study Group 3 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 3 can be found on:

<http://www.itu.int/ITU-R/publications/download.asp?product=que03&lang=e>.

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

One draft new Recommendation ITU-R P.[UWB.PROP] (Document 3/47) and two draft revised Recommendations ITU-R P.834-5 and ITU-R P.373-7 (Documents 3/48 and 3/50, respectively) 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 Parties 3J, 3K, 3L and 3M, held 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.

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 3
- 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 3

(Geneva, 9-10 October 2006)

- 1 Opening of the meeting
- 2 Approval of the agenda
- 3 Appointment of Rapporteur
- 4 Appointment of Editorial Group
- 5 Chairman's Report
- 6 Executive Reports from Working Parties
 - WP 3J
 - WP 3K
 - WP 3L
 - WP 3M
- 7 Consideration of new and revised Recommendations
 - 7.1 Recommendations where notice of intention to seek adoption was given (see Resolution ITU-R 1-4, § 10.2.2 and § 10.4)
 - adoption of text by Study Group
 - decision on approval procedure to be followed
 - 7.2 Recommendations where notice of intention to seek adoption was not given (see Resolution ITU-R 1-4, §§ 10.2.3, 10.3 and 10.4)
 - Decision to seek adoption
 - Decision on eventual approval procedure to be followed
 - 7.3 Update of Recommendations under Resolution ITU-R 44-1
- 8 Consideration of new and revised Questions and Questions for maintenance
- 9 Resolutions and Opinions relevant to Study Group 3
- 10 Maintenance of other Recommendations and Reports
- 11 Progress in the development of Handbooks
- 12 Consideration of work relevant to the ITU Development Sector
- 13 Liaison with other groups
- 14 Main results of the Regional Radiocommunication Conference (RRC-06)
- 15 Preparation for the CPM-07 and the WRC-07
- 16 Consideration of future work programmes and discussion on a tentative meeting schedule
- 17 Any other business

D.G. COLE
Chairman, Study Group 3

ANNEX 2

Titles and summaries of draft Recommendations

Draft new Recommendation ITU-R P.[UWB.PROP]

Doc. 3/47

Propagation prediction methods for the planning of ultra-wideband applications in the frequency range 1 GHz to 10 GHz

This draft new Recommendation defines operating environments, path loss categories, and provides methods for estimating ultra-wideband (UWB) path loss in these conditions. It is to be used to determine the UWB link budget.

Draft revision of Recommendation ITU-R P.834-5

Doc. 3/48

Effects of tropospheric refraction on radiowave

Recommendation ITU-R P.834-5 describes the calculation method of some refractive propagation effects on radio signals on terrestrial and Earth-space links to be used in planning of terrestrial and Earth-space links. This revision incorporates the results of the latest studies concerning the signal loss or gain due to refraction effects for a wave passing through the total atmosphere.

Draft revision of Recommendation ITU-R P.373-7

Doc. 3/50

Definitions of maximum and minimum transmission frequencies

Recommendation ITU-R P.373-7 provides definitions of the maximum and minimum transmission frequencies. These definitions are used by scientists, radiocommunication operators and they are also being employed in ITU-R Recommendations related to propagation prediction methods and operational matters. The proposed revision brings up to date definitions of the maximum and minimum transmission frequencies used in propagation prediction methods.

ANNEX 3

Topics to be addressed at meetings of Working Parties 3J, 3K, 3L and 3M held immediately prior to the meeting of Study Group 3 and for which draft Recommendations may be developed

Working Party 3J

- New data table for cloud cover amount (possible revision of Recommendation ITU-R P.311-12)
- Ground-wave propagation curves for frequencies between 10 kHz and 30 MHz (possible revision of Recommendation ITU-R P.368-8)
- Radio noise (possible revision of Recommendation ITU-R P.372-8)
- The cascaded knife edge model for the calculation of diffraction loss using a path profile (possible revision of Recommendation ITU-R P.526-9)
- Attenuation in vegetation (possible revision of Recommendation ITU-R P.833-5)
- Conversion of annual statistics to worst-month statistics (possible revision of Recommendation ITU-R P.841-4)
- Propagation factors affecting systems using digital modulation techniques at LF and MF (possible revision of Recommendation ITU-R P.1321-1)
- Rain dynamics (possible draft new ITU-R Recommendation)
- Propagation data required for the design of free space optical links (possible draft new ITU-R Recommendation)
- Conversion of 1-minute rain rate statistics from various integration time data (possible draft new ITU-R Recommendation)
- Effects of building materials and structures on radiowave propagation above about 100 MHz (possible draft new ITU-R Recommendation)

Working Party 3K

- Angular spread for MIMO propagation (possible revision of Recommendation ITU-R P.1238-4)
- Area averaged rainfall rate to estimate simultaneous coverage for millimetre radio access systems (possible revision of Recommendation ITU-R P.1410-3)
- Extension of the applicable frequency range of path loss prediction formula in propagation over roof-tops (possible revision of Recommendation ITU-R P.1411-3)
- Path-specific propagation prediction methods (possible draft new ITU-R Recommendation)

Working Party 3L

- Representation of the variability of foF2 and MUF (possible revision of Recommendation ITU-R P.533-8)
- Extension of propagation distance up to 16 000 km in the LF prediction method (possible revision of Recommendation ITU-R P.684-4)
- ITU-R Reference ionospheric characteristics (possible revision of Recommendation ITU-R P.1239)
- ITU-R methods of basic MUF, operational MUF and RAY-path prediction (possible revision of Recommendation ITU-R P.1240)
- Method for the prediction of propagation performance for digital skywave HF systems (possible draft new ITU-R Recommendation)

Working Party 3M

- Prediction procedure for the evaluation of microwave interference between stations on the surface of the Earth at frequencies above about 0.7 GHz (possible revision of Recommendation ITU-R P.452-12)
- Propagation data and prediction methods required for the design of terrestrial line-of-sight systems (possible revision of Recommendation ITU-R P.530-11)
- The prediction method of rain attenuation along Earth-space path (possible revision of Recommendation ITU-R P.618-8)
- Propagation data required for the design of earth-space land mobile telecommunication systems (possible revision of Recommendation ITU-R P.681-6)
- Propagation data required for the design of Earth-space aeronautical mobile telecommunication systems (possible revision of Recommendation ITU-R P.682-1)
- Propagation data required for the design of free space optical links (possible draft new ITU-R Recommendation)

ANNEX 4

Registration Form
ITU-R Block Meetings

Geneva, Switzerland, 28 September - 10 October 2006



Radiocommunication Bureau

I wish to participate in

WP 3J 28/9-6/10	WP 3M 28/9-6/10	WP 3K 29/9-6/10	WP 3L 3-6/10	SG 3 9-10/10

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:

Recognized Operating Agencies

Regional Telecommunication Organizations

Scientific or Industrial Organizations

Intergovernmental Organizations operating Satellite Systems

UN, Specialized Agencies and the IAEA

Other Entities dealing with Telecommunication matters

Regional and other International Organizations

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

[Box]

[Box]

[Box]

[Box]

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