



Radiocommunication Bureau
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Administrative Circular
CACE/393

19 June 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 4 (Fixed-satellite service).
Geneva, 14-15 September 2006

1 Introduction

By means of this Administrative Circular, we wish to announce that a meeting of ITU-R Study Group 4 will take place in Geneva from 14 to 15 September 2006, immediately after the meetings of Working Parties 4A and 4B (see Circular Letter [4/LCCE/92](#), dated 16 May 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 14 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 4 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 4 can be found at:

<http://www.itu.int/ITU-R/publications/download.asp?product=que04&lang=e>

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

One draft revised Recommendation, prepared by Working Party 4A at its meeting in March 2006, is 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 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 1-4)

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 4A and 4B, 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 Parties' 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 4
- 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 4

(Geneva, 14-15 September 2006)

- 1** Introduction
- 2** Approval of the agenda
- 3** Appointment of Rapporteur
- 4** Chairman's Report
- 5** Executive Reports from Working Party Chairmen
 - WP 4A
 - WP 4B
- 6** Consideration of new and revised Recommendations
 - 6.1** 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
 - 6.2** Recommendations where notice was not given (see Resolution ITU-R 1-4, § 10.2.3)
 - decision to seek adoption
 - decision on approval procedure to be followed
- 7** Consideration of new and revised Questions
- 8** Review of other contributions
- 9** Consideration of Working Party structure and the appointment of Working Party Chairmen
- 10** Consideration of future work programmes and discussion on a tentative meeting schedule
- 11** Any other business

V. RAWAT
Chairman, Study Group 4

ANNEX 2

Title and summary of the Recommendation proposed for adoption

Working Party 4A

Document 4/79: Draft revision of Recommendation ITU-R S.1713 - Methodology to calculate the minimum separation angle at the Earth's surface between a non-geostationary HEO-type FSS satellite in its "active" arc and a geostationary satellite

Recommendation ITU-R S.1713 currently provides a method to calculate the minimum separation angle subtended anywhere on the Earth's surface visible to a HEO satellite in its "active" arc, between that HEO satellite and all visible locations in the GSO. In the present document the Recommendation has been revised in order to add a method to analyse the interference between a HEO system and a *specific* GSO network (i.e. longitude of GSO satellite is known). Such analysis requires determination of the worst-case interference geometry which generally occurs when the separation angle at the Earth's surface between a HEO satellite in its "active" arc and the specific GSO satellite is minimum. This revision includes a description of the new methodology and a corresponding Excel embedded file to calculate the minimum separation angle at the Earth's surface, or within a given beam footprint, between an "active" HEO satellite and a *specific* GSO satellite.

This draft revision of Recommendation ITU-R S.1713 also corrects some notation errors in the existing embedded Excel tool of Annex 3.

ANNEX 3

Topics to be addressed at meetings of Working Parties 4A and 4B held immediately prior to the meeting of Study Group 4 and for which draft Recommendations may be developed

Working Party 4A

- 1 Possible methodology for frequency sharing between bidirectional FSS networks comprising ubiquitously deployed earth stations (PDNR ITU-R S.[Sharing-Bi-Direct-Ubiq] in Annex 1 to [Document 4A/331](#)).
- 2 Possibilities for global broadband internet access by FSS systems (PDNR ITU-R S.[] in Annex 2 to [Document 4A/331](#)).
- 3 Calculation of unwanted emission levels produced by a non-geostationary fixed-satellite service system at radio astronomy sites (PDRR ITU-R S.1586 in Annex 3 to [Document 4A/331](#)).
- 4 Cross-polarization isolation from very small aperture terminals (VSATs) (PDRR ITU-R S.727-1 in Annex 4 to [Document 4A/331](#)).
- 5 Spectrum utilization methodologies (PDRR ITU-R S.742-1 in Annex 5 to [Document 4A/331](#)).

Working Party 4B

- 1 Performance enhancements of transmission control protocol over satellite networks (Working document towards a PDRR ITU-R S.1711 in Annex 6 to [Document 4B/95](#)).
- 2 Transmission control protocol (TCP) over satellite networks (Working document towards a PDNRReport ITU-R S.[TCPSAT] in Annex 5 to [Document 4B/95](#)).
- 3 Allowable error performance for a satellite hypothetical reference digital path operating below 15 GHz (PDRR ITU-R S.1062-3 in Annex 7 to [Document 4B/95](#)).
- 4 Utilization of fade countermeasures strategies and techniques in the fixed-satellite service (PDRR ITU-R S.1061 in Annex 8 to [Document 4B/95](#)).

ANNEX 4

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 []