



Radiocommunication Bureau

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**Administrative Circular
CACE/507**

16 April 2010

**To Administrations of Member States of the ITU, Radiocommunication Sector Members,
ITU-R Associates participating in the work of the Radiocommunication Study Group 4
and the Special Committee on Regulatory/Procedural Matters**

**Subject: Meeting of Radiocommunication Study Group 4 (Satellite services),
Geneva, 16 July 2010**

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 on 16 July 2010, following the meetings of Working Parties 4A, 4B and 4C (see Circular letter [4/LCCE/101](#)).

The Study Group meeting will be held in the ITU Headquarters, Geneva. The opening session will take place at 09:30 hours.

2 Programme of the meeting

The draft agenda for the meeting of Study Group 4 is contained in Annex 1.

The Questions assigned to Study Group 4 may be found on:

<http://www.itu.int/ITU-R/go/que-rsg4/en>

2.1 Adoption of draft Recommendations at the Study Group meeting (§ 10.2.2 of Resolution ITU-R 1-5)

A draft revised Recommendation, prepared by Working Party 4A at its meeting in March/April 2010, is proposed for adoption by the Study Group at its meeting in accordance with § 10.2.2 of Resolution ITU-R 1-5.

In conformity with §10.2.2.2 of Resolution ITU-R 1-5, 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 1-5)

The procedure described in § 10.2.3 of Resolution ITU-R 1-5 concerns draft new or revised Recommendations which are not specifically included in the agenda of a Study Group meeting.

In accordance with this procedure, draft new and revised Recommendations prepared during the meetings of Working Parties 4A, 4B and 4C held prior to 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 1-5 (see also § 2.3 below).

In accordance with § 2.25 of Resolution ITU-R 1-5, Annex 3 to this Circular contains a list of topics to be addressed at the meetings of the Working Parties held 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 1-5. 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 1-5.

3 Contributions

Contributions in response to the work of Study Group 4 are invited. These will be processed according to the provisions laid down in Resolution ITU-R 1-5 and posted on <http://www.itu.int/md/R07-SG04-C/en>. **The deadline for submission of contributions is Friday, 9 July 2010 at 16:00 hours UTC.** Submissions received later than this deadline cannot be accepted. Resolution ITU-R 1-5 provides that contributions which are not available to participants at the opening of the meeting shall not be considered.

Participants are requested to submit contributions by electronic mail to:

rsg4@itu.int

A copy should also be sent to the Chairman and Vice-Chairmen of Study Group 4. The pertinent addresses can be found on:

http://www.itu.int/cgi-bin/htsh/compass/cvc.param.sh?acvty_code=sg4

4 Participation/Visa requirements

Delegate/participant registration for the meeting will be carried out online via the ITU-R website. Each Member State/Sector Member/Associate was requested to designate a focal point to be responsible for the handling of all registration requests for his/her administration/organization. Individuals wishing to attend should contact the focal point designated for all Study Group activities for his/her entity directly. The list of designated focal points (DFPs) is available on the **ITU-R Member Information and Delegate Registration** webpage at:

<http://www.itu.int/ITU-R/go/delegate-reg-info/en>.

The Delegate Registration desk will open at 08:30 hours on the first day of the meeting at the entrance of the Montbrillant building. Please note that the confirmation of registration sent to each delegate/participant by e-mail must be presented, together with photo identification, in order to receive a badge.

Information regarding hotel accommodation for meetings held in Geneva is available at <http://www.itu.int/travel/index.html>.

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 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, 16 July 2010, at 9:30 hours)

(Room B, ITU Tower)

- 1** Opening remarks
 - 1.1** Director BR
 - 1.2** Chairman
- 2** Approval of the agenda
- 3** Appointment of the Rapporteur
- 4** Summary record of the previous meeting ([Document 4/115](#))
- 5** Consideration of the outputs of the Working Parties
 - 5.1** Working Party 4B
 - 5.1.1** Executive Report
 - 5.1.2** Draft Recommendations where notice of intention to seek adoption was not given (see Res. 1, § 10.2.3, 10.3 and 10.4)
 - 5.1.3** Draft Reports
 - 5.1.4** Draft Questions
 - 5.2** Working Party 4A
 - 5.2.1** Executive Report
 - 5.2.2** Draft Recommendations where notice of intention to seek adoption was given (see Res. 1, § 10.2.2 and 10.4)
 - 5.2.3** Draft Recommendations where notice of intention to seek adoption was not given (see Res. 1, § 10.2.3, 10.3 and 10.4)
 - 5.2.4** Draft Reports
 - 5.2.5** Draft Questions
 - 5.3** Working Party 4C
 - 5.3.1** Executive Report
 - 5.3.2** Draft Recommendations where notice of intention to seek adoption was not given (see Res. 1, § 10.2.3, 10.3 and 10.4)
 - 5.3.3** Draft Reports
 - 5.3.4** Draft Questions

- 6** Consideration of the outputs of the Correspondence Group on RNSS systems
- 7** Liaison with other Study Groups and international organizations
- 8** Documents from the Radiocommunication Bureau
- 9** Consideration of future work programme and schedule of meetings
- 10** Any other business

V. RAWAT
Chairman, Radiocommunication
Study Group 4

Annex 2

Title and summary of the draft revised Recommendation proposed for adoption at the Study Group 4 meeting

Working Party 4A

Draft revision of Recommendation ITU-R S.1003-1

Doc. 4/122

Environmental protection of the geostationary-satellite orbit

Summary

Recommendation ITU-R S.1003-1 was adopted over ten years ago. Since that time there has been considerable development and implementation of fixed-satellite service networks in the geostationary orbit. In addition, there have been increased concerns regarding debris from satellites or their launch vehicles which could have adverse impacts. Therefore, it was considered timely to review this Recommendation with a view to bring it up to date.

The Recommendation is updated to include a scope and reference to provide a better definition of disposal orbits, and to bring attention to the increase in debris due to fragments resulting from increased numbers of satellites and their associated launches.

Annex 3

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

Working Party 4A

- Method for statistical processing of earth-station antenna side-lobe peaks (PDRR ITU-R S.732).
- Reference power flux-density for the broadcasting-satellite service in the band 21.4-22 GHz in Regions 1 and 3 (PDRR ITU-R BO.1776).
- Mitigation techniques for rain attenuation for broadcasting-satellite service systems in frequency bands between 17.3 GHz and 42.5 GHz (PDRR ITU-R BO.1659).
- Intra-service sharing criteria for GSO BSS systems in the band 21.4-22.0 GHz in Regions 1 and 3 (PDRR ITU-R BO.1785).

Working Party 4B

- Multi-carrier based transmission techniques for satellite systems (PDNR ITU-R S.[MULTI-CARRIER]).
- Multi-carrier based OFDM and CDMA transmission techniques for satellite systems (PDNR ITU-R S.[MULTI-CARRIER (OFDM and CDMA)]).
- Cross-layer based QoS provisioning in IP-based satellite networks (PDNR ITU-R S.[CROSS_LAYER]).

Working Party 4C

- Description of systems and networks in the radionavigation-satellite service (space-to-Earth and space-to-space) and technical characteristics of transmitting space stations operating in the bands 1 164-1 215 MHz, 1 215-1 300 MHz, and 1 559-1 610 MHz (PDRR ITU-R M.1787).
- Use of mobile-satellite service (MSS) in disaster response and relief (PDRR ITU-R M.1854).
- Evaluation model for pulsed interference from radio sources other than in the radionavigation-satellite service to the radionavigation-satellite service systems and networks operating in the 1 164-1 215 MHz, 1 215-1 300 MHz, 1 559-1 610 MHz and 5 010-5 030 MHz bands (PDNR ITU-R M.[PULSE_EVAL]).
- Characteristics and protection criteria of receiving space stations and characteristics of transmitting earth stations in the radionavigation-satellite service (Earth-to-space) operating in the band 5 000-5 010 MHz (PDNR ITU-R M.[E-S TX+RX]).
- Characteristics and protection criteria of receiving earth stations and characteristics of transmitting space stations of the radionavigation-satellite service (space-to-Earth) operating in the band 5 010-5 030 MHz (PDNR ITU-R M.[S-E RX+TX]).