



Radiocommunication Bureau

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Administrative Circular
CAR/238

22 March 2007

To Administrations of Member States of the ITU

Subject: Radiocommunication Study Group 7

- Proposed approval of 2 draft revised Recommendations and 4 draft new Recommendations

At the meeting of ITU-R Study Group 7 (Science services) held on 5 and 12 February 2007, the Study Group adopted the texts of 2 draft revised Recommendations and 4 draft new Recommendations, and agreed to apply the procedure of Resolution ITU-R 1-4 (see § 10.4.5) for approval of Recommendations by consultation. In accordance with the interim procedures recommended by the RAG at its meeting in November 2004*, the draft Recommendations in English, as revised at the meeting of Study Group 7, are enclosed with this letter. The titles and summaries of these Recommendations are given in Annex 1.

Having regard to the provisions of § 10.4.5.2 of Resolution ITU-R 1-4, you are requested to inform the Secretariat (brsgd@itu.int) by 22 June 2007, whether your Administration approves or does not approve these draft Recommendations.

A Member State who indicates that a draft Recommendation should not be approved is requested to advise the Secretariat of the reason and to indicate possible changes in order to facilitate further consideration by the Study Group during the study period (§ 10.4.5.5 of Resolution ITU-R 1-4).

After the above-mentioned deadline, the results of this consultation will be notified in an Administrative Circular and arrangements made for the approved Recommendations to be published in accordance with § 10.4.7 of Resolution ITU-R 1-4.

* See [Administrative Circular CA/145](#).

Any ITU member organization aware of a patent held by itself or others which may fully or partly cover elements of the draft Recommendation(s) mentioned in this letter is requested to disclose such information to the Secretariat as soon as possible. The “Statement on Radiocommunication Sector Patent Policy” is contained in Annex 1 of Resolution ITU-R 1-4.

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Director, Radiocommunication Bureau

Annex:

Titles and summaries of draft Recommendations

Documents attached:

Documents 7/BL/10 – 7/BL/15 on CD-ROM

Distribution:

- Administrations of Member States of the ITU
- Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 7
- ITU-R Associates participating in the work of Radiocommunication Study Group 7

ANNEX 1

Titles and summaries of the draft Recommendations adopted by Radiocommunication Study Group 7

(Geneva, 5 and 12 February 2007)

Draft revision of Recommendation ITU-R RA.1031-1 (Doc. 7/49(Rev.1))

Doc. 7/BL/10

Protection of the radio astronomy service in frequency bands shared with other services

This Recommendation gives a guideline when administrations consider protection of the radio astronomy service from interference caused by terrestrial radiocommunications or transmitting earth stations used for space radiocommunication services that share frequency bands.

This revision has referred to Recommendation ITU-R RA.1513 that defines maximum fraction of data loss which the radio astronomy service can tolerate. Such reference is needed to help administrations establish coordination zones around radio astronomy stations.

Draft new Recommendation ITU-R SA.[THz-SPACE-TO-SPACE] (Doc. 7/51(Rev.1))

Doc. 7/BL/11

Technical and operational characteristics of space-to-space telecommunication systems operating around 354 and 366 THz

Taking into account that telecommunication links are planned for use on some satellite systems for inter-orbit telecommunication at frequencies in the region of 354 and 366 THz, it is necessary to study technical and operational characteristics of systems operating at those frequencies and determine whether sharing studies for such systems are necessary. These requirements have been included in Question ITU-R 235/7. This Recommendation specifies technical parameters (frequencies, link, signal and data characteristics, antenna parameters, etc.) and operational characteristics of telecommunication systems operating in the space-to-space direction around 354 and 366 THz, which could be used in sharing studies.

Draft new Recommendation ITU-R SA.[PATTERN SRS] (Doc. 7/53)

Doc. 7/BL/12

Reference antenna patterns of large-aperture space research service earth stations to be used for compatibility analyses involving a large number of distributed interference entries in the bands 31.8-32.3 GHz and 37.0-38.0 GHz

This new Recommendation provides two reference antenna patterns, Ja and Jp, for large-aperture earth stations of the space research service in the bands 31.8-32.3 GHz and 37.0-38.0 GHz. Ja is to be used for compatibility analyses involving a large number of distributed interference sources. Jp is to be used for compatibility analysis involving a few discrete interference sources.

Draft revision of Recommendation ITU-R SA.1015 (Doc. 7/54(Rev.1))

Doc. 7/BL/13

Bandwidth requirements for deep-space research

This revision to Recommendation ITU-R SA.1015 updates bandwidth requirements for the Space Research Service (deep space) to bring the Recommendation in line with current radiocommunication techniques and makes editorial clarifications.

Draft new Recommendation ITU-R SA.[MET 18 GHz] (Doc. 7/68)

Doc. 7/BL/14

System characteristics and interference criteria for meteorological satellite systems operating around 18 GHz

The following DNR presents interference criteria and the system parameters that were used to derive these criteria for meteorological satellite (MetSat) systems operating around 18 GHz. These interference criteria are required for meteorological satellite systems in the band 18.1-18.3 GHz and may also be applied in the case of a possible extension of this existing allocation to the MetSat service in accordance with Resolution 746 (WRC-03), Agenda item 1.2 (WRC-07). This DNR is referenced in CPM text for Agenda item 1.2 (WRC-07).

Draft new Recommendation ITU-R SA.[8 GHz USE] (Doc. 7/71)

Doc. 7/BL/15

System design guidelines for Earth exploration-satellites operating in the band 8 025-8 400 MHz

This new Recommendation provides guidance that is needed to reduce the potential for intra-interference to Earth exploration-satellite service (EESS) systems in the 8 025-8 400 MHz band.
