



Radiocommunication Bureau (BR)

Administrative Circular
CACE/695

24 October 2014

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

Subject: Radiocommunication Study Group 7 (Science services)

- **Proposed adoption by correspondence of 1 draft revised ITU-R Recommendation**
- **Proposed adoption of 1 draft new ITU-R Question**

At the meeting of Radiocommunication Study Group 7, held on 8 October 2014, the Study Group decided to seek adoption of 1 draft revised ITU-R Recommendation in accordance with § 10.2.3 of Resolution ITU-R 1-6 (Adoption by a Study Group by correspondence). The title and summary of the draft Recommendation is given in Annex 1. Furthermore, the Study Group proposed the adoption of 1 draft new ITU-R Question, attached for your reference in Annex 2.

The consideration period shall extend for two months ending on **24 December 2014**. If within this period no objections are received from Member States, the approval by consultation procedure of § 10.4.5 of Resolution ITU-R 1-6 will be initiated.

Any Member State who objects to the adoption of the draft Recommendation or the draft Question is requested to inform the Director and the Chairman of the Study Group of the reasons for the objection.

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 Common Patent Policy for ITU-T/ITU-R/ISO/IEC is available at <http://www.itu.int/en/ITU-T/ipr/Pages/policy.aspx>.



François Rancy
Director

Annexes: 2

- Title and summary of the draft Recommendation
- Text of draft new ITU-R Question

Distribution:

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

Title and summary of the draft Recommendation

Draft revision of Recommendation ITU-R RA.1513-1

Doc. 7/91(Rev.1)

Levels of data loss to radio astronomy observations and percentage-of-time criteria resulting from degradation by interference for frequency bands allocated to the radio astronomy on a primary basis

This revision amends Recommends 3, section 3.4 of Annex 1 following the study of the effect of interference on time scales of the order of seconds or less. This Recommendation has also been updated to determine the percentage of data loss.

Annex 2

(Source: Document 7/102)

DRAFT NEW QUESTION ITU-R [SPACE-WEATHER]*

Space weather observations

(2014)

The ITU Radiocommunication Assembly,

considering

- a) that space weather observations are becoming increasingly important in detecting solar activity events that could impact services critical to the economy, safety and security of administrations;
- b) that these observations are made from platforms that may be ground based, airborne, or space-based;
- c) that some of the sensors operate by receiving low level natural emissions of the Sun or the Earth's atmosphere, and therefore may suffer interference at levels which could be permissible for other radio systems,

noting

- a) that currently there is no definition for Space Weather in the ITU terminology.
- b) that the definition of Space Weather given by the World Meteorological Organization is as follows: "Space Weather encompasses the conditions and processes occurring in space, including on the sun, in the magnetosphere, ionosphere and thermosphere, which have the potential to affect the near-Earth environment",

decides that following Questions should be studied

- 1 What is the radio service(s) applicable for space weather sensors?
- 2 Which parts of the existing frequency allocations in RR Article 5 are suitable for use by space weather observations?
- 3 What are typical technical and operational characteristics of space weather sensors?
- 4 What protection would be necessary for the operation of these systems?

further decides

- 1 that the results of the above studies should be included in one or more ITU-R Recommendations and/or Reports as appropriate;
- 2 that the above studies should be completed by the year 2019.

Category: S3

* This Question should be brought to the attention of the World Meteorological Organization.