



Radiocommunication Bureau (BR)

**Administrative Circular
CACE/626**

30 August 2013

**To Administrations of Member States of the ITU, Radiocommunication Sector Members and
ITU-R Associates participating in the work of Radiocommunication Study Group 1**

Subject: Radiocommunication Study Group 1 (Spectrum management)
– **Proposed approval of 1 draft new ITU-R Question**

At the meeting of Radiocommunication Study Group 1 held on 12 June 2013, the Study Group decided to seek adoption of 1 draft new ITU-R Question by correspondence, according to § 3.1.2 of Resolution ITU-R 1-6.

As stated in Administrative Circular CACE/615, dated 27 June 2013, the consultation period for the adoption of the Question ended on 27 August 2013.

The Question has now been adopted by Study Group 1 and the approval procedure of Resolution ITU-R 1-6 § 3.1.2 is to be applied. The text of the draft ITU-R Question is attached for your reference in the Annex to this letter.

Having regard to the provisions of § 3.1.2 of Resolution ITU-R 1-6, Member States are requested to inform the Secretariat (brsgd@itu.int) by 30 October 2013, whether they approve or do not approve the proposal above.

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

After the above-mentioned deadline, the results of this consultation will be announced in an Administrative Circular and the approved Question will be published as soon as practicable (see: <http://www.itu.int/ITU-R/go/que-rsg1/en>).

François Rancy
Director

Annex: 1

- 1 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 1
- ITU-R Associates participating in the work of Radiocommunication Study Group 1
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups and the 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

(Document 1/73(Rev.1))

DRAFT NEW QUESTION ITU-R [THz]/1*

**Technical and operational characteristics of the active services
operating in the range 275-1 000 GHz**

The ITU Radiocommunication Assembly,

considering

- a)* that the World Radiocommunication Conference 2012 (WRC-12) has modified No. **5.565** of the Radio Regulations and identified the use of the range 275-1 000 GHz by the passive and active services;
- b)* that administrations wishing to make frequencies in the 275-1 000 GHz range available for active service applications are urged to take all practicable steps to protect these passive services from harmful interference;
- c)* that studies on technical and operational characteristics of networks of the fixed-satellite service operating above 275 GHz are addressed by Study Group 4;
- d)* that studies on technical and operational characteristics of applications of science services operating above 275 GHz are addressed by Study Group 7;
- e)* that studies on propagation data required for the planning of radiocommunication systems operating above 275 GHz are addressed by Study Group 3;
- f)* that at frequencies above 275 GHz, sharing between services is not precluded;
- g)* that IEEE 802 LAN/MAN Standard Committee created the terahertz interest group within IEEE 802.15 Working Group to standardize terahertz communications and related network applications operating in the terahertz frequency bands between 275-1 000 GHz,

recognizing

- a)* that Recommendation ITU-R P.676 provides propagation characteristics of attenuation by atmospheric gases;
- b)* that Recommendation ITU-R P.838 provides specific attenuation model for rain for use in prediction methods;
- c)* that Recommendation ITU-R P.840 provides propagation characteristics of attenuation due to clouds and fog;
- d)* that Report ITU-R RA.2189 provides the technical information and protection criteria for any sharing studies between active services and the radio astronomy service in the frequency range 275-3 000 GHz,

* This Question should be brought to the attention of Study Groups 3, 4 and 7.

decides that the following Question should be studied

What are the technical and operational characteristics of active services in the frequency range 275-1 000 GHz?

further decides

- 1 that sharing studies between active and passive services, as well as among active services be carried out taking into account the service characteristics mentioned in *decides*;
- 2 that the results of studies in the range 275-1 000 GHz should be brought to the attention of the other Study Groups;
- 3 that the results of the above studies should be included in Recommendations and/or Reports;
- 4 that initial results of the studies should be available by 2015.

Category: S2
