



Radiocommunication Bureau (BR)

Administrative Circular
CACE/615

27 June 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 adoption by correspondence 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 according to § 3.1.2 of Resolution ITU-R 1-6 (Adoption by a Study Group by correspondence). The text of the draft ITU-R Question is attached for your reference in the Annex to this letter.

The consideration period shall extend for two months ending on 27 August 2013. If within this period no objections are received from Member States, the approval by consultation procedure of § 3.1.2 of Resolution ITU-R 1-6 will be initiated.

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

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
