



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/641**

11 November 2013

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

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

By Administrative Circular CACE/626 of 30 August 2013, 1 draft new ITU-R Question was submitted for approval by correspondence in accordance with Resolution ITU-R 1-6 (§ 3.1.2).

The conditions governing this procedure were met on 30 October 2013.

The text of the approved Question is attached for your reference in the Annex to this letter and will be published in Revision 2 to [Document 1/1](#) which contains the ITU-R Questions approved by the 2012 Radiocommunication Assembly and assigned to Radiocommunication Study Group 1.

François Rancy  
Director

**Annex: 1**

### **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 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

### QUESTION ITU-R 237/1\*

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

(2013)

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,

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\* 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

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