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| **Radiocommunication Bureau (BR)** |
| **Administrative Circular****CACE/626** | 30 August 2013 |
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| **To Administrations of Member States of the ITU, Radiocommunication Sector Members and ITU‑R Associates participating in the work of Radiocommunication Study Group 1** |
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| **Subject:** | **Radiocommunication Study Group 1 (Spectrum management)** **– Proposed approval of 1 draft new ITU-R Question** |
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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[[1]](#footnote-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,

*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*

1that 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*;

2that 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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1. \* This Question should be brought to the attention of Study Groups 3, 4 and 7. [↑](#footnote-ref-1)