



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/818**

7 July 2017

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

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 21 June 2017, 1 draft new ITU-R Question was adopted according to Resolution ITU-R 1-7 (§A2.5.2.2) and it was agreed to apply the procedure of Resolution ITU-R 1-7 (see § A2.5.2.3) for approval of Questions in the interval between Radiocommunication Assemblies. The text of the draft ITU-R Question is attached for your reference in the Annex to this letter. 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.

Having regard to the provisions of §A2.5.2.3 of Resolution ITU-R 1-7, Member States are requested to inform the Secretariat ([brsgd@itu.int](mailto:brsgd@itu.int)) by 7 September 2017, whether they approve or do not approve the proposals above.

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
- ITU Academia
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups
- 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 [1/84](#))

### DRAFT NEW QUESTION ITU-R [SPEC-EFF-ECO]/1

#### Assessment of spectrum efficiency and economic value

The ITU Radiocommunication Assembly,

*considering*

- a) that spectrum is a limited and valuable resource for economic and social development;
- b) that the demand for spectrum is increasing due to increased traffic, and a limited spectrum supply;
- c) that higher frequencies provide more bandwidth and ease sharing due to high propagation losses;
- d) that quantification of coverage and capacity assists to ensure the quality of service;
- e) that spectrum fees may assist to optimize the use of spectrum,

*noting*

- a) [Recommendation ITU-R SM.1046](#) 'Definition of spectrum use and efficiency of a radio system' and [Report ITU-R SM.2012](#) 'Economic aspects of spectrum management';
- b) that the ITU-R publications in *noting a)* do not provide an assessment of capacity (bit/sec/Hz), and do not address the questions in the *decides* part,

*decides* that the following Questions should be studied

- 1 What is the method to quantify spectrum efficiency?
- 2 Which are the factors that define the economic value of spectrum?
- 3 What is a general model to assess the economic value of spectrum?

*further decides*

- 1 that the results of the above studies should be included in Recommendation(s) and/or Report(s) or Handbook(s);
- 2 that the above studies should be completed by 2023.

Category: S2

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