



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/923**

28 August 2019

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

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

By Administrative Circular CACE/907 of 21 June 2019, 1 draft new ITU-R Question was submitted for approval by correspondence in accordance with Resolution ITU-R 1-7 (§ A2.5.2.3).

The conditions governing this procedure were met on 21 August 2019.

The text of the approved Question is attached for your reference in the Annex to this letter and will be published by the ITU.

Mario Maniewicz  
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
- 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

### QUESTION ITU-R 241/1

#### **Methodologies for assessing or predicting spectrum availability**

(2019)

The ITU Radiocommunication Assembly,

*considering*

- a) that the radio frequency spectrum is a limited but infinitely renewable resource that is available only in finite amounts of frequency bandwidth during any given time interval and within any given volume of space;
- b) that some administrations are challenged in assessing or predicting the availability of the radio frequency spectrum;
- c) that there are lack of methodologies for assessment or prediction of spectrum availability,

*noting*

that spectrum management data is becoming larger and more complex in the viewpoint of data science, which may require advanced data analysis methods including machine learning,

*decides* that the following Questions should be studied

- 1 What criteria and information should administrations consider for assessing or predicting the availability of the radio frequency spectrum?
- 2 What are the methodologies for assessing or predicting the availability of the radio frequency spectrum?
- 3 What are the technical approaches, such as data-driven management, etc., that may improve overall spectrum utilization?

*further decides*

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

Category: S3

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