



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/1188**

8 June 2026

**To Administrations of Member States of the ITU, Radiocommunication Sector Members, ITU-R Associates and ITU Academia participating in the work of the Radiocommunication Study Group 7**

Subject:       **Radiocommunication Study Group 7 (Science Services)**  
                  –       **Approval of 2 revised ITU-R Questions**

By Administrative Circular [CACE/1181](#) dated 2 April 2026, 2 draft revised ITU-R Questions were submitted for approval by correspondence in accordance with Resolution ITU-R 1-9 (§ A2.5.2.3).

The conditions governing this procedure were met on 2 June 2026.

The texts of the approved Questions are attached for your reference in the Annex to this letter and will be published by the ITU.

Mario Maniewicz  
Director

**Annex: 1**

## Annex

### QUESTION ITU-R 231-1/7

#### **Earth exploration-satellite service (active) and space research service (active) operating between 100 GHz and 450 GHz**

(2000-2026)

The ITU Radiocommunication Assembly,

*considering*

- a)* that the need has been identified to operate active spaceborne sensors of the Earth exploration-satellite service (EESS) and space research service (SRS) in frequency bands between 100 GHz and 450 GHz;
- b)* that these instruments would enable:
  - dual frequency cloud profiling with high accuracy and sensitivity for meteorological and climatological purposes; and
  - radar altimetry measurements with high horizontal resolution for several applications: cartography, geology, oceanography, etc.;
- c)* that new technological advancements will enable the implementation of active measurements between 100 GHz and 450 GHz and therefore the related instruments are expected to be developed in the near future;
- d)* that the SRS (active) has an allocation in the band 237.9-238 GHz (per Radio Regulations (RR) No. **5.563B**);
- e)* that the EESS (active) has allocations in the bands 133.5-134 GHz (per RR No. **5.562E**) and 237.9-238 GHz (per RR No. **5.563B**),

*decides* that the following Questions should be studied

- 1 What are the technical and operational characteristics and the performance requirements of these spaceborne active sensors?
- 2 What are the frequency bands most suitable for the operation of these instruments, taking into account also the possible sharing scenarios?

*further decides*

- 1 that the results of the above studies should be included in (a) Recommendation(s);
- 2 that the above studies should be completed by 2031.

Category: S2

QUESTION ITU-R 234-1/7

**Frequency sharing between active sensor systems in the Earth exploration-satellite service and systems operating in other services in the 1 215-1 300 MHz band**

(2000-2026)

The ITU Radiocommunication Assembly,

*considering*

- a)* that the characteristics of Earth exploration-satellite systems (EESS)(active), frequencies and bandwidths, and performance, interference and frequency sharing criteria are given in Recommendations ITU-R RS.577, ITU-R RS.1166 and ITU-R RS.2105;
- b)* that WRC-2000 allocated the frequency band 1 215-1 300 MHz to the EESS (active) on a primary basis for use by spaceborne active sensors subject to RR Nos. **5.332**, **5.335** and **5.335A**;
- c)* that ITU-R studies show that sharing between spaceborne synthetic aperture radars and terrestrial radars is feasible except for frequency-modulated pulsed radar;
- d)* that mitigation techniques may be applied to the spaceborne active sensors if required to improve sharing feasibility between spaceborne active sensors and radiolocation radar systems operating in the band 1 215-1 300 MHz,

*decides* that the following Questions should be studied

- 1 What are the possibilities and conditions for frequency sharing between spaceborne active sensor systems in the EESS and systems operating in other services in the 1 215-1 300 MHz band?
- 2 What are the possible interference mitigation techniques that could be used by spaceborne active sensors to facilitate sharing in the 1 215-1 300 MHz band?

*further decides*

- 1 that the results of the above studies should be included in (a) Recommendation(s);
- 2 that the above studies should be completed by 2031.

Category: S2

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