Radiocommunication Bureau (BR)

Administrative Circular
CACE/1164

12 December 2025

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 5

Subject: **Radiocommunication Study Group 5 (Terrestrial Services)**

– **Proposed approval of 1 draft revised ITU-R Question**

At the meeting of Radiocommunication Study Group 5 held from 1 to 2 December 2025, 1 draft revised ITU-R Question was adopted according to Resolution ITU-R 1-9 (§ A2.5.2.2) and it was agreed to apply the procedure of Resolution ITU-R 1-9 (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 raising an objection to the approval of a draft Question is requested to inform the Director and the Chair of the Study Group of the reasons for the objection.

Having regard to the provisions of § A2.5.2.3 of Resolution ITU-R 1-9, Member States are requested to inform the Secretariat (brsgd@itu.int) by 12 February 2026, whether they approve or do not approve the proposal 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: https://www.itu.int/pub/R-QUE-SG05/en).

Mario Maniewicz
Director

Annex: 1

– 1 draft revised ITU-R Question

Annex

(Document 5/70)

DRAFT REVISION OF QUESTION ITU-R 37-6/5[1]

Digital land mobile systems for specific applications

(1978-1982-1992-1995-1997-2007-2012-20XX)

The ITU Radiocommunication Assembly,

considering

a) that the number of radio stations in the land mobile service is increasing very rapidly;

b) that in several geographical areas the growing demand for radio channels in the land mobile service has resulted in a serious congestion in the frequency bands allocated to this service;

c) that in order to alleviate this congestion as well as that expected in the future, it is desirable for land mobile services to employ spectrum-saving techniques;

d) that improved spectrum efficiency might be achieved, taking into account essential system characteristics like traffic density, grade of service, etc. and costs:

– by making an increased number of traffic channels available within a given bandwidth;

– by optimizing the size of base station coverage areas, to the traffic demand;

– by combining these techniques and others;

e) that the development of industry applications in the land mobile service promote innovation, the digital economy, and social development;

~~*e*~~*f)* that the digital technology applied in such systems may require channel widths other than those used in the existing land mobile services;

~~*f*~~*g)* that systems based on digital technology offer a high degree of privacy and security;

~~*g*~~*h)* that these systems may provide capabilities required by specific user groups, of applications such as, private mobile radio, public access mobile radio, utilities, e-Health, public protection and disaster relief, and machine-to-machine communications, etc.;

i) that a private mobile radio network can provide a dedicated network infrastructure for a specific user or a group of users, and these types of networks can offer enhanced data security, improved data rates, low end-to-end latency, network robustness and reliability;

j) that besides private mobile radio network, other technologies and techniques, such as network slicing, may present alternative example approaches to support specific user applications;

~~*h*~~*k)* that particularly for systems operating in border areas of neighbouring countries, it is desirable to reach international agreement on certain system characteristics in order to come to maximum usage flexibility,

---

[1] ~~In the year 2019, Radiocommunication Study Group 5 extended the completion date of studies for this Question.~~

recognizing

a) that Resolution ITU-R 66-1 has invited ITU-R to study wireless systems and applications for the development of the Internet of Things;

b) that Question ITU-R 209-6/5 addresses the use of the mobile, amateur and amateur-satellite services in support of disaster radiocommunications,

c) that Question ITU-R 262/5 addresses the use of IMT systems for specific applications;

decides that the following Questions should be studied

1 What are, with regard to frequency efficiency, the optimum characteristics of these systems, taking into account factors like needed system capacity to serve a large number of users, base station coverage area, complexity of equipment, propagation factors and performance objectives?

2 How can these systems meet the user demand and what are the operational requirements?

3 What are the capabilities and facilities offered by these systems that fulfil the requirements of specific user groups, of applications such as private mobile radio, public access mobile radio, utilities, e-Health, public protection and disaster relief, and machine-to-machine communications, etc.?

4 What are the system parameters on which international agreement is desirable to ensure compatibility between systems and/or operation of differing systems in neighbouring coverage areas?

5 What are the technical and operational aspects and the capabilities associated with specific industry applications supported by digital land mobile systems, including private mobile radio networks, in the land mobile service?

further decides

1 that the results of the above studies should be included in one or more Recommendations, Reports or Handbooks;

2 that the above studies should be completed by 2027.

Category: S2