



Radiocommunication Bureau

(Direct Fax N°. +41 22 730 57 85)

**Administrative Circular
CACE/492**

14 October 2009

**To Administrations of Member States of the ITU,
Radiocommunication Sector Members, ITU-R Associates
participating in the work of Radiocommunication Study Group 5
and the Special Committee on Regulatory/Procedural Matters**

**Subject: Radiocommunication Study Group 5
– Approval of 1 new ITU-R Question**

By Administrative Circular CAR/277 of 30 June 2009, 1 draft new ITU-R Question was submitted for approval by correspondence in accordance with Resolution ITU-R 1-5 (§ 3.4).

The conditions governing this procedure were met on 30 September 2009.

The text of the approved Question is attached for your reference (Annex) and will be published in Revision 4 to [Document 5/1](#) which contains the ITU-R Questions approved by the 2007 Radiocommunication Assembly and assigned to Radiocommunication Study Group 5.

Valery Timofeev
Director, Radiocommunication Bureau

Annexe: 1

Distribution:

- Administrations of Member States and Radiocommunication Sector Members
- ITU-R Associates in the work of Radiocommunication Study Group 5
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups and 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

QUESTION ITU-R 250/5

Mobile wireless access systems providing telecommunications for a large number of ubiquitous sensors and/or actuators scattered over wide areas in the land mobile service

(2009)

The ITU Radiocommunication Assembly,

considering

- a) that rapid advances are being made in wireless telecommunications to link sensors and/or actuators associated with humans, animals and objects in various environments;
- b) that sensors and/or actuators for wireless telecommunications should be simple, small and inexpensive to realize the ubiquitous network society;
- c) that there are emerging applications that handle small amounts of data such as measurement data, location information and object control signals;
- d) that the application of wireless sensor and/or actuator telecommunications may provide the service to a large cell coverage and large variety of objects on a cell-by-cell basis due to the traffic characteristics of such applications stated in *considering c)* above;
- e) that mobility should be offered for wireless sensor and/or actuator telecommunications;
- f) that wireless sensor and/or actuator telecommunications can take place in non line-of-sight conditions;
- g) that it is desirable to identify the typical characteristics for the mobile wireless access systems used for sensor and/or actuator telecommunications in the land mobile service;
- h) that wireless access systems used for sensor and/or actuator telecommunications may also be used in nomadic and/or fixed applications,

decides that the following Question should be studied

- 1 What are the technical and operational requirements and characteristics of land mobile wireless access systems that will be used to provide telecommunications to large numbers of sensors and/or actuators scattered over wide areas?

further decides

- 1 that the results of the above studies should be included in Recommendations or Reports;
- 2 that the above studies should be completed by 2011.

Category: S2