



Radiocommunication Bureau

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**Administrative Circular
CACE/523**

24 January 2011

**To Administrations of Member States of the ITU, Radiocommunication
Sector Members, ITU-R Associates participating in the work of
Radiocommunication Study Group 1 and the Special
Committee on Regulatory/Procedural Matters**

Subject: Radiocommunication Study Group 1

- **Approval of 1 new ITU-R Question and 1 revised ITU-R Question**
- **Suppression of 1 ITU-R Question**

By Administrative Circular CAR/300 of 15 October 2010, 1 draft new ITU-R Question and 1 draft revised ITU-R Question were submitted for approval by correspondence in accordance with Resolution ITU-R 1-5 (§ 3.4). In addition, the Study Group proposed the suppression of 1 ITU-R Question.

The conditions governing this procedure were met on 14 January 2011.

The texts of the approved Questions are attached for your reference (Annexes 1 and 2) and will be published in Revision 2 to [Document 1/1](#) which contains the ITU-R Questions approved by the 2007 Radiocommunication Assembly and assigned to Radiocommunication Study Group 1. The suppressed ITU-R Question is indicated in Annex 3.

François Rancy
Director, Radiocommunication Bureau

Annexes: 3

Distribution:

- Administrations of Member States and Radiocommunication Sector Members
- ITU-R Associates in the work of Radiocommunication Study Group 1
- 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

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Annex 1

QUESTION ITU-R 235/1

Spectrum monitoring evolution

(2011)

The ITU Radiocommunication Assembly,

considering

- a) that spectrum monitoring is a key element of spectrum management;
- b) that radiocommunication technologies and systems are in a constant and rapid evolution;
- c) that, among other technologies, the impact of software-defined radio and cognitive radio systems on spectrum monitoring needs to be studied;
- d) that any evolution of spectrum monitoring activities impacts administrations;
- e) that the ITU-R Recommendations and Reports in the SM Series, as well as the ITU Handbook on spectrum monitoring provide extensive information on spectrum monitoring of existing radio communication technologies and systems;
- f) that the existing spectrum monitoring systems (including fixed, mobile and transportable stations) may need to be assessed with respect to their capability for monitoring new radiocommunication technologies and systems;
- g) that the improvement in spectrum monitoring equipment enhances the efficiency and effectiveness of the spectrum management process;
- h) that the increasing amount of collected spectrum data may require adaptation of the organisation and spectrum monitoring techniques,

decides that the following Questions should be studied

- 1 What are the new considerations for monitoring of radiocommunication systems that are based on new technologies?
- 2 What are the new approaches that may be required in terms of organisation, procedures and equipment to monitor systems based on future radiocommunication technologies?
- 3 What are the needs for administrations in order to implement the new approaches to monitor systems based on future radiocommunication technologies?

further decides

- 1 that the results of the above studies shall be included in (a) Recommendation(s) and/or (a) Report(s);
- 2 that the above studies should be completed by 2013.

Category: S3

Annex 2

QUESTION ITU-R 221-2/1

Compatibility between radiocommunication systems and high data rate telecommunication systems using wired electrical power supply

(2000-2007-2011)

The ITU Radiocommunication Assembly,

considering

- a) that electricity power supply continues to be used for low data rate telemetry or control purposes in LF bands;
- b) that electricity power supply is generally not designed or installed in such a way that RF radiation will be minimised;
- c) that new telecommunication systems are being designed which will operate with data rates up to 1 Gbit/s, with carrier frequencies in the HF, VHF and UHF bands;
- d) that any radiation from such systems may affect the use of radiocommunication systems, particularly at LF, MF, HF, VHF and UHF,

decides that the following Question shall be studied

1 What are the acceptable levels of radiation from telecommunication systems utilising wired electrical power supply so as not to impair the performance of radiocommunication systems?

further decides

- 1** that the results of the above studies should be included in (a) Recommendation(s) and/or (a) Report(s);
- 2** that the studies should be completed by 2011.

Category: S1

Annex 3

Suppressed ITU-R Question

Question ITU-R	Title	Category	Date of last approval
219/1	Remote access to radio monitoring equipment of other administrations	S2	2000
