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| INTERNATIONAL TELECOMMUNICATION UNION |  |

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| *Radiocommunication Bureau*  *(Direct Fax N°. +41 22 730 57 85)* |

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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](http://www.itu.int/md/R07-SG01-C-0001/en) 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

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 |
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| [219/1](http://www.itu.int/publ/R-QUE-SG01.219) | Remote access to radio monitoring equipment of other administrations | S2 | 2000 |

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