

INTERNATIONAL TELECOMMUNICATION UNION



Radiocommunication Bureau
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Administrative Circular CACE/593

22 November 2012

**To Administrations of Member States of the ITU, Radiocommunication Sector Members,
ITU-R Associates participating in the work of the Radiocommunication
Study Group 1 and ITU-R Academia**

Subject: Radiocommunication Study Group 1 (Spectrum management)

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

By Administrative Circular CACE/584 of 13 September 2012, 1 draft revised ITU-R Question was submitted for approval by correspondence in accordance with Resolution ITU-R 1-6 (§ 3.1.2). In addition, the Study Group proposed the suppression of 1 ITU-R Question.

The conditions governing this procedure were met on 13 November 2012.

The text of the approved Question is attached for your reference (Annex 1) and will be published in Revision 1 to [Document 1/1](#) which contains the ITU-R Questions approved by the 2012 Radiocommunication Assembly and assigned to Radiocommunication Study Group 1. The suppressed ITU-R Question is indicated in Annex 2.

François Rancy
Director, Radiocommunication Bureau

Annexes: 2

Distribution:

- Administrations of Member States and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 1
- ITU-R Associates participating in the work of Radiocommunication Study Group 1
- ITU-R Academia
- 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 210-3/1*

Wireless power transmission

(1997-2006-2007-2012)

The ITU Radiocommunication Assembly,

considering

- a) that technology is under development to transfer power efficiently from one location to another using wireless methods;
- b) that such wireless power transmission (WPT) technologies may be useful in some applications including solar power, airborne platforms, lunar stations and mobile device power charging, etc.;
- c) that no frequency bands have been specifically associated with WPT technology;
- d) that the use of WPT technologies may have a significant impact on the operation of radiocommunication services including the radio astronomy service;
- e) that issues of non-ionizing radiation exposure related to systems employing WPT technologies are dealt with by such organizations as the World Health Organization (WHO) and the International Radiation Protection Association (IRPA)/International Commission on Non-ionizing Radiation Protection (ICNIRP);
- f) that WPT technologies utilize various mechanisms, such as transmission via radio frequency beams, inductive and resonant transmission, etc.,

decides that the following information be gathered

- 1 What applications have been developed for use of WPT technologies?
- 2 What are the technical characteristics of the emission employed in or incidental to applications using WPT technologies?
- 3 What is the WPT's standardization situation in the world?

decides that the following Questions should be studied

- 1 Under what category of spectrum use should administrations consider WPT: ISM, or other?
- 2 What radio frequency bands are most suitable for WPT?
- 3 What steps are required to ensure that radiocommunication services, including the radio astronomy service, are protected from WPT operations?

* This Question should be brought to the attention of the International Maritime Organization (IMO), the International Civil Aviation Organization (ICAO), the International Electrotechnical Commission (IEC), the International Special Committee on Radio Interference (CISPR), the Inter-Union Commission on Allocation of Frequencies for Radio Astronomy and Space Science (IUCAF) and Radiocommunication Study Group 3.

further decides

- 1 that the results of the above studies should be included in a Report or Recommendation, as appropriate;
- 2 that the above studies should be completed by 2014.

Category: S3

Annex 2

Suppressed ITU-R Question

Question ITU-R	Title
214/1	Monitoring of digital broadcasting signals
