

INTERNATIONAL TELECOMMUNICATION UNION



Radiocommunication Bureau
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Administrative Circular
CACE/576

28 June 2012

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

Subject: Radiocommunication Study Group 1 (Spectrum management)

- **Proposed adoption by correspondence of 1 draft revised ITU-R Question**
- **Proposed suppression of 1 ITU-R Question**

At the meeting of Radiocommunication Study Group 1, held on 14 June 2012, the Study Group decided to seek adoption of 1 draft revised Question according to § 3.1.2 of Resolution ITU-R 1-6 (Adoption by a Study Group by correspondence). Furthermore, the Study Group proposed the suppression of 1 ITU-R Question in accordance with Resolution ITU-R 1-6 (§ 3.6).

The consideration period shall extend for two months ending on 28 August 2012. If within this period no objections are received from Member States, the approval by consultation procedure of § 3.1.2 of Resolution ITU-R 1-6 will be initiated.

Any Member State who objects to the continuation of the approval procedure for the draft Question(s) is requested to inform the Director and the Chairman of the Study Group of the reasons for the objection.

François Rancy
Director, Radiocommunication Bureau

Annexes: 2

- 1 draft revised ITU-R Question
- Proposed suppression of 1 ITU-R Question

Distribution:

- Administrations of Member States of the ITU 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 the 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

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DRAFT REVISION OF QUESTION ITU-R 210-2/1*

Wireless Ppower transmission via radio frequency beam

(1997-2006-2007)

The ITU Radiocommunication Assembly,

considering

- a) that technology is under development to transfer power efficiently from one location to another ~~via radio frequency beams~~ using wireless methods;
- b) that such ~~power transmission via radio frequency beam (PTRFB)~~ wireless power transmission (WPT) technologies may be useful in some applications including solar power, airborne platforms, ~~and lunar stations and mobile device power charging, etc.;~~
- c) that no frequency bands have been specifically associated with ~~PTRFB~~ WPT technology;
- d) that the use of ~~PTRFB~~ 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 ~~PTRFB~~ WPT technologies ~~will be~~ 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);₂
- 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 ~~PTRFB~~ WPT technologies?
- 2 What are the technical characteristics of the ~~radiation emission~~ employed in or incidental to applications using ~~PTRFB~~ WPT technologies?
- 3 What is the WPT's standardization situation in the world?

* 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.

decides that the following Questions should be studied

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

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 ~~2012-2014~~at the latest.

Category: S3

Annex 2

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Proposed suppression of 1 ITU-R Question

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