



*Radiocommunication Bureau*  
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Administrative Circular  
CAR/199

2 December 2005

## To Administrations of Member States of the ITU

**Subject: Radiocommunication Study Group 1**

- **Proposed approval of 1 draft new Question and 1 draft revised Question**
- **Proposed suppression of 1 Question**

At the meeting of Radiocommunication Study Group 1 held on 24 and 25 October 2005, 1 draft new Question and 1 draft revised Question were adopted and it was agreed to apply the procedure of Resolution ITU-R 1-4 (see § 3.4) for approval of Questions in the interval between Radiocommunication Assemblies. Furthermore, the Study Group proposed the suppression of 1 Question.

Having regard to the provisions of § 3.4 of Resolution ITU-R 1-4, you are requested to inform the Secretariat ([brsgd@itu.int](mailto:brsgd@itu.int)) by 2 March 2006, whether your Administration approves or does not approve these Questions and the proposed suppression.

After the above-mentioned deadline, the results of this consultation will be notified in an Administrative Circular. If the Questions are approved, they will have the same status as Questions approved at a Radiocommunication Assembly and will become official texts attributed to Radiocommunication Study Group 1 (see: <http://web/ITU-R/publications/download.asp?product=que01&lang=e>).

Valery Timofeev  
Director, Radiocommunication Bureau

### Annexes: 3

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

#### Distribution:

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

## Annex 1

Source: Document 1/76

### Evaluation of draft new Question in accordance with Resolution ITU-R 51:

This draft new Question is covering the future studies in the area of Space Radio Monitoring, which are related to the measurement of emissions from GSO and non-GSO stations. The methods and procedures related to these measurements should also be studied.

### DRAFT NEW QUESTION ITU-R [Doc. 1/76]/1\*

#### Methods and techniques used in space radio monitoring

The ITU Radiocommunication Assembly,

*considering*

- a) that orbital slots for geostationary satellites are a valuable and scarce resource;
- b) that a knowledge of the operational status of geostationary satellites recorded in the Master International Frequency Register is useful to spectrum management both in developed and developing countries;
- c) that Recommendation ITU-R SM.1050 defines the tasks of a monitoring service;
- d) the necessity to locate and eliminate the harmful interference to and from space stations;
- e) that several satellite monitoring stations already exist in various parts of the world and are capable of collecting data relating to radiated emissions from space stations and the necessity to cooperate between these stations;
- f) that ITU-R Recommendations have been developed based on reported data and standard information exchanging format of monitoring, but lacking description on measurement methods and techniques used in monitoring of emissions from space stations;
- g) that the monitoring of emissions from terrestrial stations and space stations are different in terms of technique and method,

*decides* that the following Question should be studied

- 1 what methods, techniques, procedures and measuring equipments are appropriate for the measurement of emission from space-to ground for both GSO and non-GSO stations?
- 2 what methods, techniques, procedures and measuring equipments are appropriate for the measurement of emission from ground-to-space for both GSO and non-GSO stations?

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\* This Question should be brought to the attention of Radiocommunication Study Groups 3, 4, 6, 7 and 8.

*further decides*

**1** that the results of the above studies shall be included in (a) Recommendation(s) and/or Report;

**2** that the above studies should be completed by 2010.

Category: S2

## Annex 2

Source: Document 1/81

### DRAFT REVISION OF QUESTION ITU-R 210/1\*

#### **Wireless power transmission**

(1997)

The ITU Radiocommunication Assembly,

*considering*

- a) that there is an increasing global need for renewable energy resources;
- b) that the longevity of airborne and satellite platforms is dependent on the available fuel resources;
- c) that technology is in development to transfer power efficiently from one location to another via radio frequency beam;
- d) that no frequency bands have been specifically designated for this purpose;
- e) that critical radiocommunication services may operate or be planned to operate in bands useful for wireless power transmission;
- f) that the use of wireless power transmission may have a significant impact on the operation of radiocommunications systems;
- g) that issues of non-ionizing radiation exposures related to wireless power transmission systems will be 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),

*decides* that the following information be gathered

- 1 What applications have been developed for use of wireless power transmission?
- 2 What are the technical characteristics of the signal employed in wireless power transmission?

*decides* that the following Question should be studied

- 1 Under what category of spectrum use should administrations consider wireless power transmission: ISM, or other?
- 2 What radio frequency bands are most suitable for this type of operation?
- 3 What steps are required to ensure that radio services are protected from power transmission operations?
- 4 What effects would wireless power transmission have on radio propagation?

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\* 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) Recommendation(s) and/or (a) Report(s);
- 2 that the above studies should be completed by ~~2005~~ 2010 at the latest.

Category: S3

### **Annex 3**

Source: Document 1/81

#### **ITU-R Question to be suppressed**

<b>Question ITU-R</b>	<b>Title</b>
45-4/1	Techniques and technical criteria for frequency sharing

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