



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/775**

24 June 2016

**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 Academia**

Subject:           **Radiocommunication Study Group 1 (Spectrum management)**  
                  –       **Proposed approval of 1 draft new ITU-R Question**

At the meeting of Radiocommunication Study Group 1 held on 10 June 2016, 1 draft new ITU-R Question was adopted according to Resolution ITU-R 1-7 (§ A2.5.2.2) and it was agreed to apply the procedure of Resolution ITU-R 1-7 (see § A2.5.2.3) for approval of Questions in the interval between Radiocommunication Assemblies. The text of the draft ITU-R Question is attached for your reference in the Annex to this letter. Any Member State who objects to the approval of a draft Question is requested to inform the Director and the Chairman of the Study Group of the reasons for the objection.

Having regard to the provisions of § A2.5.2.3 of Resolution ITU-R 1-7, Member States are requested to inform the Secretariat ([brsgd@itu.int](mailto:brsgd@itu.int)) by 24 August 2016, whether they approve or do not approve the proposal above.

After the above-mentioned deadline, the results of this consultation will be announced in an Administrative Circular and the approved Question will be published as soon as practicable (see: <http://www.itu.int/ITU-R/go/que-rsg1/en>).



François Rancy  
Director

#### **Annex: 1**

- 1 draft new 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 Academia
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups
- 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

(Document 1/20 (Rev.1))

### DRAFT NEW QUESTION ITU-R [EMF Measurements]/1\*

#### Electromagnetic field measurements to assess human exposure

The ITU Radiocommunication Assembly,

*considering*

- a)* ITU Plenipotentiary Resolution 176 ([Rev. Busan, 2014](#)) on “Human exposure to and measurement of electromagnetic fields”;
- b)* ITU WTDC-14 [Resolution 62](#) (Rev. Dubai, 2014) on “Measurement concerns related to human exposure to electromagnetic fields”;
- c)* ITU WTSA-12 [Resolution 72](#) (Johannesburg, 2008; Dubai, 2012) on “Measurement concerns related to human exposure to electromagnetic fields”;
- d)* ITU-T Study Group 5 (Environment and Climate Change) Question [C/5](#) (continuation of Question 7/5) on “Human exposure to electromagnetic fields (EMFs) due to radio systems and mobile equipment”;
- e)* the ITU [Handbook on Spectrum Monitoring](#) (Edition 2011), section 5.6 on “Non-ionizing radiation measurements”;

*noting*

- a)* that Electromagnetic Field (EMF) exposure limits are implemented at a national level;
- b)* that the exposure limits are different for the general public and workers accessing areas close to wireless installations;
- c)* that the ITU and the World Health Organization encourage Member States to adopt the EMF exposure guidelines developed by the International Commission for Non-Ionizing Radiation Protection (ICNIRP);
- d)* that compliance with EMF limits should be assessed;
- e)* that power density and field strength are aggregated from different sources;
- f)* that exposure levels in the close proximity of wireless installations may occur in the near-field;
- g)* that there may be a need to measure exposure levels in the main beam;

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\* This Question should be brought to the attention of ITU-T Study Group 5 and ITU-D Study Group 2.

- h)* that there may be a need for separate measurements of both the E and the H fields, especially when in the near-field domain, which behaves differently to the far field;
- i)* that wireless installations may not transmit with their maximum power at the time of measurement;
- j)* that the results of the measurements may be presented in a variety of formats with reference to the intended use and potential audience;
- k)* the work already covered by existing ITU-T K-series Recommendations or IEC 62232 or IEC 62311,

*noting further*

- a)* the proliferation of wireless installations of all types around the world;
- b)* that compliance of portable wireless devices intended for use close to the head or body is outside the scope of this question,

*decides* that the following Questions should be studied

- 1 What are the measurements techniques to assess the human exposure from wireless installations of all types?
- 2 How can measurement results be presented?

*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 2018.

Category: S3

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