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| **Radiocommunication Bureau (BR)** | | |
| Administrative Circular  **CACE/775** | | 24 June 2016 |
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| **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** | | |
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| Subject: | **Radiocommunication Study Group 1 (Spectrum management)**  **– Proposed approval of 1 draft new ITU-R Question** | |
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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[[1]](#footnote-1)\*

Electromagnetic field measurements to assess human exposure

The ITU Radiocommunication Assembly,

considering

*a)* ITU Plenipotentiary Resolution 176 ([Rev. Busan, 2014](http://www.itu.int/en/plenipotentiary/2014/Documents/final-acts/pp14-final-acts-en.pdf)) on “Human exposure to and measurement of electromagnetic fields”;

*b)* ITU WTDC-14 [Resolution 62](https://www.itu.int/en/ITU-D/TIES_Protected/WTDC14/WTDC14-FinalReport-E.pdf) (Rev. Dubai, 2014) on “Measurement concerns related to human exposure to electromagnetic fields”;

*c)* ITU WTSA-12 [Resolution 72](http://www.itu.int/en/ITU-T/wtsa12/Documents/resolutions/Resolution%2072.pdf) (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](http://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/q7.aspx) (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](http://www.itu.int/pub/R-HDB-23-2011) (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 may be a need to measure exposure levels in the main beam;

*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

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

2that the above studies should be completed by 2018.

Category: S3

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1. \* This Question should be brought to the attention of ITU-T Study Group 5 and ITU-D Study Group 2. [↑](#footnote-ref-1)