Radiocommunication Bureau (BR)

Administrative Circular   28 March 2022
CACE/1023

To Administrations of Member States of the ITU, Radiocommunication Sector Members, ITU-R Associates participating in the work of the Radiocommunication Study Group 6 and ITU Academia

Subject: **Radiocommunication Study Group 6 (Broadcasting service)**

     –   Proposed approval of 1 draft new ITU-R Question

At the meeting of Radiocommunication Study Group 6 held on 18 March 2022, 1 draft new ITU-R Question was adopted according to Resolution ITU-R 1-8 (§ A2.5.2.2) and it was agreed to apply the procedure of Resolution ITU-R 1-8 (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 which 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 1-8, Member States are requested to inform the Secretariat (brsgd@itu.int) by 28 May 2022, 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-rsg6/en).

Mario Maniewicz
Director

Annex: 1

–   1 draft new ITU-R Question

Annex

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DRAFT NEW QUESTION ITU-R [EABS]/6[1]

Energy Aware Broadcasting Systems

(20XX)

The ITU Radiocommunication Assembly,

considering

a) that the United Nations has defined 17 sustainable development goals, including "industries, innovation and infrastructure"[2] and "responsible consumption and production"[3];

b) that many nations are actively developing climate goals that include the climate impact for all their industries;

c) that there is a proliferation of broadcasting technologies, which may have a significant energy footprint;

d) that studies on energy consumption in broadcasting and methods for its mitigation are important, and that current global developments make it urgent for the ITU-R to carry out such studies;

e) that broadcasters wish to maintain a high-quality level of content creation, and end-user satisfaction,

recognizing

a) that Resolution ITU-R 60-2, *Reduction of energy consumption for environmental protection and mitigating climate change by use of ICT/radiocommunication technologies and systems,* encourages the consideration of environmental issues by Study Groups;

b) that Resolution ITU-R 70, *Principles for the future development of broadcasting*, notes that the transition to future broadcasting systems, technologies and applications potentially presents energy saving opportunities;

c) that Report ITU-R BT.2385, *Reducing the environmental impact of terrestrial broadcasting systems,* provides information related to improving environmental performance;

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[1] This Question should be brought to the attention of ITU-T Study Groups 9 and 16, and ITU-D Study Group 2, as well as ISO and IEC.

[2] https://www.un.org/sustainabledevelopment/infrastructure-industrialization/

[3] https://www.un.org/sustainabledevelopment/sustainable-consumption-production/

d) that ISO/IEC 23001-11, *Information Technology – MPEG systems technologies – Part 11: Energy-efficient media consumption (green metadata)*, specifies metadata for energy-efficient decoding, encoding, presentation and selection of media;

e) that Recommendation ITU-T L.1410, *Methodology for environmental life cycle assessments of information and communication technology goods, networks and services,* provides information on the assessment of the environmental impact of information and communication technology,

decides that the following Questions should be studied

1 What *direct* impact do the technologies and features used for broadcasting have on energy consumption?

2 What *indirect* impact does the use of external services used for broadcasting have on overall energy consumption?

3 What metrics should be used to quantify and report both the direct and indirect impact on energy consumption?

4 How can broadcasting be made more energy efficient in order to contribute to the pertinent United Nations' Sustainable Development Goals?

further decides

1 that co-operation with other bodies may be desirable for the development of energy-aware formats, standards and operating practices;

2 that the results of the above studies should be included in one or more Recommendations or/and Reports;

3 that the above studies should be completed by 2027.

Category: S2

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