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| **Radiocommunication Bureau (BR)** | | |
| Administrative Circular  **CACE/1023** | | 28 March 2022 |
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| **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** | | |
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| Subject: | **Radiocommunication Study Group 6 (Broadcasting service)**  **– Proposed approval of 1 draft new ITU-R Question** | |
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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](mailto: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

(Document [6/218](https://www.itu.int/md/R19-SG06-C-0218/en))

draft new QUESTION ITU-R [eabs]/6[[1]](#footnote-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]](#footnote-2) and “responsible consumption and production”[[3]](#footnote-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;

*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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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. [↑](#footnote-ref-1)
2. <https://www.un.org/sustainabledevelopment/infrastructure-industrialization/> [↑](#footnote-ref-2)
3. <https://www.un.org/sustainabledevelopment/sustainable-consumption-production/> [↑](#footnote-ref-3)