



Radiocommunication Bureau (BR)

Administrative Circular
CACE/1183

23 April 2026

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

Subject: **Radiocommunication Study Group 6 (Broadcasting Service)**
 – **Proposed approval of 1 draft revised ITU-R Question**

At the meeting of Radiocommunication Study Group 6 held on 27 March 2026, 1 draft revised ITU-R Question was adopted according to Resolution ITU-R 1-9 (§ A2.5.2.2) and it was agreed to apply the procedure of Resolution [ITU-R 1-9](#) (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 raising an objection to the approval of a draft Question is requested to inform the Director and the Chair of the Study Group of the reasons for the objection.

Having regard to the provisions of § A2.5.2.3 of Resolution ITU-R 1-9, Member States are requested to inform the Secretariat (brsgd@itu.int) by 23 June 2026, 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 revised ITU-R Question

Annex

(Document [6/162](#))

DRAFT REVISION OF QUESTION ITU-R 147/6

Energy ~~Aware~~ usage optimization for broadcasting systems

(2022-~~202X~~)

The ITU Radiocommunication Assembly,

considering

- ~~a) — that the United Nations has defined 17 sustainable development goals, including "industries, innovation and infrastructure"¹ and "responsible consumption and production"²;~~
- ~~b) — that many nations are actively developing climate goals that include the climate impact for all their industries;~~
- a) that it is important to optimize energy usage and use energy efficiently throughout all stages of broadcasting;
- b) that ITU-R provides an opportunity to share technical information about the evolution of new methods and technologies to optimize energy usage within a broadcasting system;
- c) that there is a proliferation of broadcasting technologies, which may ~~which may have a significant energy footprint~~ increase the need for energy usage optimization;
- ~~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~~usage optimization are important;
- 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;~~
- a) that Resolution ITU-R 60-3, resolves that ITU-R Study Groups, when developing new ITU-R Recommendations, Handbooks, or Reports or reviewing existing Recommendations or Reports, take into account, as appropriate, energy consumption as well as best practices to conserve energy;
- 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;
- ~~e) — that Report ITU-R BT.2385, Reducing the environmental impact of terrestrial broadcasting systems, provides information related to improving environmental performance;~~

¹ <https://www.un.org/sustainabledevelopment/infrastructure-industrialization/>.

² <https://www.un.org/sustainabledevelopment/sustainable-consumption-production/>.

c) that the work done under Question ITU-R 147-0/6 to analyse technical aspects of energy consumption and energy usage optimization can provide background information;

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 usage optimization~~?

2 What *indirect* impact does the use of external services ~~used such as cloud computing~~ for broadcasting have on overall energy ~~consumption usage optimization~~?

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

4 How can ~~the energy usage of a broadcasting chain and its individual components~~ be ~~made more energy efficient in order to contribute to the pertinent United Nations' Sustainable Development Goals~~ optimized?

further decides

1 that cooperation with other bodies may be desirable for the development of energy-~~aware optimized~~ 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 ~~2027-2031~~.

Category: S2
