



Radiocommunication Bureau (BR)

Administrative Circular
CACE/661

14 February 2014

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

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 22 November 2013, the Study Group decided to seek adoption of 1 draft new ITU-R Question by correspondence, in accordance with § 3.1.2 of Resolution ITU-R 1-6.

As stated in Administrative Circular CACE/645, dated 10 December 2013, the consultation period for the adoption of the Question ended on 10 February 2014.

The Question has now been adopted by Study Group 6 and the approval procedure of Resolution ITU-R 1-6 § 3.1.2 is to be applied. The text of the draft ITU-R Question is attached for your reference in the Annex to this letter.

Having regard to the provisions of § 3.1.2 of Resolution ITU-R 1-6, Member States are requested to inform the Secretariat (brsgd@itu.int) by 14 April 2014, whether they approve or do not approve the proposal above.

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.

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>).

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 6
- ITU-R Associates participating in the work of Radiocommunication Study Group 6
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups and the Special Committee on Regulatory/Procedural Matters
- 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 6/197)

DRAFT NEW QUESTION ITU-R [SLC]/6

Methods for signaling loudness compliance

The ITU Radiocommunication Assembly,

considering

- a) that it is desirable to preserve both the content creator's intent and consider the audience's comfort regarding programme loudness;
- b) that a way to adjust the level of the programme is to adjust the whole programme rather than adjusting the level dynamically during the programme;
- c) that it is desirable that automated dynamic level controls should not operate on pre-produced audio that has already had the loudness correctly controlled;
- d) that for some programmes, such as live programmes, it may not be feasible to make a single adjustment to the overall audio level of the programme, and that automated dynamic level control may be needed for this task;
- e) that increasingly, live programming on television in one country can originate from another country;
- f) that for the sake of economy, automated dynamic level controls are often installed downstream from the program switcher, near the emission end of the programme chain;
- g) that a number of methods may be used to perform the necessary signalling to achieve this, but it is desirable for the sake of economy, simplicity and interoperability that a single method should be identified and specified for the purpose;
- h) that broadcasters have many loudness requirements which may include, but is not only restricted to Recommendation ITU-R BS.1864 which recommends a target loudness of –24 LKFS for international digital television programme exchange,

decides that the following Question should be studied

What method/s should be employed to signal to an automated loudness and/or dynamic level control that the current programme has already had its loudness characteristics correctly controlled for the broadcasting requirements?

further decides

- 1 that the results of the above studies should be to:
 - update existing Recommendation(s);
 - prepare (a) new Recommendation(s);
- 2 that the above studies should be completed by 2016.

Category: S2
