



## Radiocommunication Bureau (BR)

Administrative Circular  
**CACE/732**

24 June 2015

**To Administrations of Member States of the ITU, Radiocommunication Sector Members and ITU-R Associates participating in the work of Radiocommunication Study Group 1**

Subject: **Radiocommunication Study Group 1 (Spectrum management)**

- **Proposed adoption of 1 draft new ITU-R Recommendation and 3 draft revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § 10.3 of Resolution ITU-R 1-6 (Procedure for the simultaneous adoption and approval by correspondence)**

At the meeting of Radiocommunication Study Group 1, held from 11 to 12 June 2015, the Study Group decided to seek adoption of 1 draft new ITU-R Recommendation and 3 draft revised ITU-R Recommendations by correspondence (§ 10.2.3 of Resolution ITU-R 1-6) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA), (§ 10.3 of Resolution ITU-R 1-6). The titles and summaries of the draft Recommendations are given in the Annex to this letter.

The consideration period shall extend for 2 months ending on 24 August 2015. If within this period no objections are received from Member States, the draft Recommendations shall be considered to be adopted by Study Group 1. Furthermore, since the PSAA procedure has been followed, the draft Recommendations shall also be considered as approved.

Any Member State who objects to the adoption of a draft Recommendation 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 the PSAA procedure will be announced in an Administrative Circular and the approved Recommendations will be published as soon as practicable (see <http://www.itu.int/pub/R-REC>).

Any ITU member organization aware of a patent held by itself or others which may fully or partly cover elements of the draft Recommendation(s) mentioned in this letter is requested to disclose such information to the Secretariat as soon as possible. The Common Patent Policy for ITU-T/ITU-R/ISO/IEC is available at <http://www.itu.int/en/ITU-T/ipr/Pages/policy.aspx>.



François Rancy  
Director

**Annex: Titles and summaries of the draft Recommendations**

**Documents:** Documents [1/144\(Rev.1\)](#), [1/145\(Rev.1\)](#), [1/148\(Rev.1\)](#) and [1/163\(Rev.1\)](#)

These documents are available in electronic format at: <http://www.itu.int/md/R12-SG01-C/en>

**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
- 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**

### **Titles and summaries of the draft Recommendations**

Draft new Recommendation ITU-R SM.[I/Q TIMING]

Doc. 1/163(Rev.1)

#### **Precision of time information in output data of monitoring receivers**

This draft new Recommendation on precision of time information in output data of monitoring receivers provides examples of possible measurement methods for the accuracy of the time information in I/Q data of a monitoring receiver. It includes two annexes:

- Annex 1: definition of the time stamp accuracy of radio monitoring receivers
- Annex 2: test procedure examples for measuring the time stamp accuracy of a radio monitoring receiver

Draft modification of Recommendation ITU-R SM.1880-0

Doc. 1/144(Rev.1)

#### **Spectrum occupancy measurement**

The draft modification of Recommendation ITU-R SM.1880 is in particular to complement section 3.4 on accuracy, statistical confidence level and required number of samples. Also key words have been added.

Draft modification of Recommendation ITU-R SM.1600-1

Doc. 1/145(Rev.1)

#### **Technical identification of digital signals**

Recommendation ITU-R SM.1600 was originally adopted in 2002 to recommend techniques an administration should consider using for technical identification of digital signals. The Recommendation was substantially revised after considerable effort over a number of years, resulting in a revision of the Recommendation, i.e. Recommendation ITU-R SM.1600-1 adopted in 2012.

The primary purpose of the signal identification defined in Recommendation ITU-R SM.1600-1 is to enable a regulator to determine whether or not an observed broadcast is employing the signal format that has been licensed for the band in question. Annex 1 of Recommendation ITU-R SM.1600-1 describes employing vector signal analysis (VSA) for identification by waveform characteristics, which produces a collection of measured values from the signal. However, Recommendation ITU-R SM.1600-1 does not recommend any method by which predefined signal characteristics corresponding to different signal formats may be used by a regular operator to easily identify a specific signal type. Since this is the regulator's goal, a method for identifying the signal from the results of vector signal analysis is being supplied in this proposed update.

The method for identifying the signal should allow the operator to efficiently make a decision if the signal matches a desired type. A library of signal templates (or preset configurations) can be used to indicate what characteristics of a specific waveform will positively identify the signal.

By using a pre-configured signal template, the operator can select a desired signal type and be presented with a signal-appropriate set of measurements and the expected results. The operator can then make a simple judgment to decide if the collected I/Q data is a match for the signal type licensed for the band.

There are no changes to Recommendation ITU-R SM.1600-1 after the first paragraph of Section 3 a.

Draft modification of Recommendation ITU-R SM.1541-5

Doc. 1/148(Rev.1)

### **Unwanted emissions in the out-of-band domain**

Recommendation [ITU-R SM.1541-5](#) provides out-of-band (OoB) domain emission limits for transmitters in the frequency range of 9 kHz to 300 GHz.

Taking into account that Digital Television Terrestrial Multimedia Broadcasting (DTMB) has been included in Recommendation ITU-R BT.1306-6, the purpose of this draft modification of Recommendation ITU-R SM.1541-5 is to introduce spectrum limit masks of DTMB system under 6 MHz, 7 MHz and 8 MHz channel bandwidth. Annex 6 of the Recommendation (OoB domain emission limits for television broadcasting systems) is proposed to be revised accordingly.

The draft modification only pertains to Annex 6 of Recommendation ITU-R SM.1541-5 and the remainder of the text remains unchanged.

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