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**Administrative Circular  
CAR/302**

1 November 2010

**To Administrations of Member States of the ITU**

**Subject: Radiocommunication Study Group 1**

- **Proposed adoption of 1 draft new Recommendation and 2 draft revised Recommendations and their simultaneous approval by correspondence in accordance with § 10.3 of Resolution ITU-R 1-5 (Procedure for the simultaneous adoption and approval by correspondence)**
- **Proposed suppression of 3 Recommendations**

At the meeting of Radiocommunication Study Group 1, held on 27 September 2010, the Study Group decided to seek adoption of 1 draft new Recommendation and 2 draft revised Recommendations by correspondence (§ 10.2.3 of Resolution ITU-R 1-5) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA), (§ 10.3 of Resolution ITU-R 1-5). The titles and summaries of the draft Recommendations are given in Annex 1. Furthermore, the Study Group proposed the suppression of 3 Recommendations listed in Annex 2, subject to the eventual approval of the draft new Recommendation.

The consideration period shall extend for 3 months ending on 1 February 2011. 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. However, if any objection is received from a Member State during the consideration period, the procedures given in § 10.2.1.2 of Resolution ITU-R 1-5 shall apply.

After the above-mentioned deadline, the results of the PSAA procedure shall be announced in an Administrative Circular (CACE) and the approved Recommendations published as soon as practicable.

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/ITU-T/dbase/patent/patent-policy.html>.

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**Annex 1:** Titles and summaries of the draft Recommendations

**Annex 2:** Recommendations proposed for suppression

**Documents attached:** Documents 1/132(Rev.1), 127(Rev.1), 1/129(Rev.1) on CD-ROM

**Distribution:**

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

## **Annex 1**

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

Draft new Recommendation ITU-R SM.[SPEC-OCC-MEASUREMENT]

Doc. 1/132(Rev.1)

#### **Spectrum occupancy measurements**

Although automatic occupancy measurement will not completely replace manual observations, it is still well suited for most cases. Frequency channel occupancy as well as frequency band occupancy should have a certain level of accuracy, in order to be compared or merged if necessary. By using the technique and proper method a more efficient use of existing equipment is possible.

As this draft new Recommendation corresponds to the merging of Recommendations ITU-R SM.182, ITU-R SM.1536 and ITU-R SM.1793, these three existing Recommendations are proposed to be deleted.

Draft revision of Recommendation ITU-R SM.1392-1

Doc. 1/127(Rev.1)

#### **Essential requirements for a spectrum monitoring system for developing countries**

The requirements of radio monitoring stations have changed since the last revision of this Recommendation due to technological development both in radio communication services and monitoring equipment. This has been taken into account by the Rapporteur Group on Spectrum Monitoring Handbook Issues. It is proposed to revise Recommendation ITU-R SM.1392 accordingly in order to bring it up-to-date. Furthermore, the proposed revision of the Recommendation overleaf turns away from the equipment-centred approach and emphasises planning aspects for a spectrum monitoring system.

Draft revision of Recommendation ITU-R SM.1268-1

Doc. 1/129(Rev.1)

#### **Method of measuring the maximum frequency deviation of FM broadcast emissions at monitoring stations**

For the off-air measurement of deviation and multiplex power of FM broadcast emissions Recommendation ITU-R SM.1268-1 states a maximum degree of reflection of 2%/kHz in order to obtain the required measurement accuracy. Experience has shown that this value is too high and may result in considerable measurement error. It is therefore suggested to change this value to 0.4%/kHz. The suggested value is based on measurements, calculations and computer simulations, assuming a required confidence level of 95%. It is also suggested to add a paragraph on the issue of measuring the distortion degree as this has considerable influence on the result.

Measurements have also shown that the current protection ratios to emissions on neighbouring channels are partly too stringent, but partly not sufficient. A corresponding modification of the Recommendation is also suggested to cover this issue.

Finally it is suggested to include a paragraph discussing the limit violation from the technical point of view.

## **Annex 2**

(Source: Document 1/132(Rev.1))

### **Recommendations proposed for suppression**

(Subject to the approval of Recommendation ITU-R SM.[SPEC-OCC-MEASUREMENT])

| <b>Recommendation<br/>ITU-R</b> | <b>Title</b>                                                                                  |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| SM.182-5                        | Automatic monitoring of occupancy of the radio-frequency spectrum                             |
| SM.1536                         | Frequency channel occupancy measurements                                                      |
| SM.1793                         | Measuring frequency channel occupancy using the technique used for frequency band measurement |

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