



*Radiocommunication Bureau*  
(Direct Fax N°. +41 22 730 57 85)

**Administrative Circular**  
**CAR/299**

17 September 2010

## To Administrations of Member States of the ITU

**Subject: Radiocommunication Study Group 4**

- **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 5 Recommendations**

At the meeting of Radiocommunication Study Group 4, held on 16 July 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 5 Recommendations which are listed in Annex 2.

The consideration period shall extend for 3 months ending on 17 December 2010. If within this period no objections are received from Member States, the draft Recommendations shall be considered to be adopted by Study Group 4. 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>.

Valery Timofeev  
Director, Radiocommunication Bureau

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

**Annex 2:** Recommendations proposed for suppression

**Documents attached:** Documents 4/136(Rev.1), 4/134(Rev.1), 4/135(Rev.1) on CD-ROM

**Distribution:**

- Administrations of Member States of the ITU
- Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 4
- ITU-R Associates participating in the work of Radiocommunication Study Group 4

## **Annex 1**

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

Draft new Recommendation ITU-R S.[MULTI-CARRIER]

Doc. 4/136(Rev.1)

#### **Multi-carrier based transmission techniques for satellite systems**

The draft new Recommendation ITU-R S.[MULTI-CARRIER] presents an overview of multi-carrier based transmission techniques over satellite links, giving guidance for the utilization of multi-carrier code division multiple access (MC-CDMA) and carrier interferometry orthogonal frequency division multiplexing (CI-OFDM) schemes for satellite communication systems as well as providing simulation results.

Draft revision of Recommendation ITU-R M.633-3

Doc. 4/134(Rev.1)

#### **Transmission characteristics of a satellite emergency position-indicating radio beacon (satellite EPIRB) system operating through a satellite system in the 406 MHz band**

Recommendation ITU-R M.633 provides the electrical specifications for 406 MHz distress beacons. It is important to Cospas-Sarsat that this specification be accurate and up-to-date because some international organizations (e.g. IMO) require conformance to Recommendation ITU-R M.633 and not the Cospas-Sarsat beacon specification (Document C/S T.001). The currently approved version of the Recommendation ITU-R M.633-3, has not been updated since 2004. The current version is not consistent with the latest version of Document C/S T.001 and shows availability of Cospas-Sarsat satellites until 2008. The Cospas-Sarsat Strategic Plan adopted in 2008 indicates long term objectives over 20 years, including the integration to the Cospas-Sarsat system of new satellite constellations in Medium altitude Earth Orbit (MEOSAR).

It is also proposed to include references to the recently adopted amendments to the ICAO Convention which regulate the carriage of 406 MHz Emergency Locator Transmitters (ELTs), complementing similar IMO references.

Following the trend in international and national regulations, it is also suggested that Recommendation ITU-R M.633 make reference to the latest version of Document C/S T.001 when referring to the 406 MHz distress beacon requirements.

**Protection criteria for Cospas-Sarsat local user terminals  
in the band 1 544-1 545 MHz**

This proposed revision addresses specifically the following elements:

- a) addition of a new item g) in the *considering* section dealing with the operation of Cospas-Sarsat medium Earth orbit local user terminals (MEOLUTs);
- b) addition of a new item h) in the *considering* section in order to reference the new Annex 6, which contains the Cospas-Sarsat link budgets for LEO, MEO and GEO;
- c) addition of a new item 5 in the *recommends* section in order to reference the new Annex 5, which used for the analysis of interference to Cospas-Sarsat MEOLUTs that operate with GALILEO satellites.

## Annex 2

(Source: Documents 4/117 and 4/127)

### Recommendations proposed for suppression

| <b>Recommendation<br/>ITU-R</b> | <b>Title</b>  |
|---------------------------------|---|
| BO.786                          | MUSE system for HDTV broadcasting-satellite services  |
| SF.1482                         | Maximum allowable values of power flux-density (pfd) produced at the Earth's surface by non-GSO satellites in the fixed-satellite service (FSS) operating in the 10.7-12.75 GHz band                                |
| SF.1483                         | Maximum allowable values of power flux-density (pfd) produced at the Earth's surface by non-GSO satellites in the fixed-satellite service (FSS) operating in the 17.7-19.3 GHz band                                 |
| SF.1484-1                       | Maximum allowable values of power flux-density at the surface of the Earth produced by non-geostationary satellites in the fixed-satellite service operating in the 37.5-42.5 GHz band to protect the fixed service |
| SF.1573                         | Maximum allowable values of power flux-density at the surface of the Earth by geostationary satellites in the fixed-satellite service operating in the 37.5-42.5 GHz band to protect the fixed service              |

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