INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau
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Administrative Circular
CAR/188

15 March 2005

To Administrations of Member States of the ITU

Subject: **Radiocommunication Study Group 8**

- **Proposed approval of 13 draft revised Recommendations and 3 draft new Recommendations**
- **Proposed deletion of 5 Recommendations**

At the meeting of ITU-R Study Group 8 (Mobile, radiodetermination, amateur and related satellite services) held from 9-10 December 2004, the Study Group adopted the texts of 13 draft revised Recommendations and 3 draft new Recommendations, and agreed to apply the procedure of Resolution ITU-R 1-4 (see § 10.4.5) for approval of Recommendations by consultation. In accordance with the interim procedures recommended by the RAG at its meeting in November 2004*, the draft Recommendations in English, as revised at the meeting of Study Group 8, are enclosed with this letter. The titles and summaries of these Recommendations are given in Annex 1.

Having regard to the provisions of § 10.4.5.2 of Resolution ITU-R 1-4, you are requested to inform the Secretariat (brsgd@itu.int) by 15 June 2005, whether your Administration approves or does not approve these draft Recommendations.

A Member State who indicates that a draft Recommendation should not be approved is requested to advise the Secretariat of the reason and to indicate possible changes in order to facilitate further consideration by the Study Group during the study period (§ 10.4.5.5 of Resolution ITU-R 1-4).

The meeting of ITU-R Study Group 8 (9-10 December 2004) also proposed the deletion of 5 Recommendations. These are listed in Annex 2.

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* See Administrative Circular CA/145.

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Having regard to the provisions of § 10.1.2 of Resolution ITU-R 1-4, you are requested to inform the Secretariat (brsgd@itu.int) by 15 June 2005, whether your Administration approves or does not approve the deletion of these Recommendations.

After the above-mentioned deadline, the results of this consultation will be notified in an Administrative Circular and arrangements made for the approved Recommendations to be published in accordance with § 10.4.7 of Resolution ITU-R 1-4.

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 "Statement on Radiocommunication Sector Patent Policy" is contained in Annex 1 of Resolution ITU-R 1-4.

Valery Timofeev
Director, Radiocommunication Bureau

Annexes:
1. Titles and summaries of draft Recommendations
2. List of Recommendations proposed for deletion

Documents attached:
Documents 8/BL/2 – 8/BL/17 on CD-ROM

Distribution:

- Administrations of Member States of the ITU
- Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 8
- ITU-R Associates participating in the work of Radiocommunication Study Group 8

ANNEX 1

Titles and summaries of the draft Recommendations adopted by Radiocommunication Study Group 8

(Geneva, 9–10 December 2004)

Draft revision of Recommendation ITU-R M.1639 Doc. 8/BL/2

Protection criterion for the aeronautical radionavigation service with respect to aggregate emissions from space stations in the radionavigation-satellite service in the band 1 164-1 215 MHz

This revision reflects several editorial changes to Recommendation ITU-R M.1639. Consistent with the proposed revision of Recommendation ITU-R M.1642, *considerings* b) and c) were updated to reflect the text of Resolution 609 (WRC-03).

Draft new Recommendation ITU-R M.[LUT][Doc. 8/33] Doc. 8/BL/3

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

This Recommendation provides protection criteria for Cospas-Sarsat local user terminals, that receive 1 544-1 545 MHz downlinks from satellites in geostationary and low-Earth orbits.

The Cospas-Sarsat program receives and processes signals from emergency position indicating radio beacons (EPIRBs) and other distress beacons operating on 406 MHz. In some cases the signals are delivered to groundstations via a downlink operating in the 1 544-1 545 MHz band.

Draft revision of Recommendation ITU-R M.1453-1 Doc. 8/BL/4

Intelligent transport systems – Dedicated short range communications at 5.8 GHz

This revision to ITU-R M.1453-1 amends that Recommendation by the addition of Annex 2, relating to the application sub-layer for ITS dedicated short range communications (DSRC-ASL). The DSRC-ASL provides supplemental communication functions for DSRC, and extends DSRC to provide multiple applications and IP-based (Internet protocol) network applications.

Specifically, the revision:

1) adds Annex 2 concerning the technical and operational characteristics of DSRC-ASL;
2) replaces the term TICS (transport information and control systems) with ITS (intelligent transport systems) throughout the Recommendation as the current term which describes such technologies; and
3) adds a third *recommends* related to the implementation of the DSRC-ASL.

Draft revision of Recommendation ITU-R M.1642 Doc. 8/BL/5

Methodology for assessing the maximum aggregate epfd at an aeronautical radionavigation service station from all radionavigation-satellite service systems operating in the 1 164-1 215 MHz band

The methodology provided in the original version of this Recommendation only includes a means of assessing the epfd from RNSS systems using GSO and circular non-GSO orbits. This deficiency is indicated by footnote 1 to *recommends* 1 and is resolved by this revision which extends the applicability of the epfd simulation methodology in Annex 1 to elliptical orbits and deletes footnote 1. The notation used to define non-GSO RNSS orbits is also improved by this revision and *recognizings* a) and b) have been updated to reflect the text of Resolution 609 (WRC-03).

Draft new Recommendation ITU-R M.[CHAR-AS] Doc. 8/BL/6

Characteristics of systems operating in the amateur and amateur-satellite services for use in sharing studies

This Recommendation documents the technical and operational characteristics of systems used in the amateur service and amateur-satellite services for the purposes of carrying out sharing studies. The systems and their characteristics described in this Recommendation are considered representative of those operating in the frequency bands available to these services ranging from 135.7 kHz through to 47.2 GHz.

Draft revision of Recommendation ITU-R M.1073-1 Doc. 8/BL/7

Digital cellular land mobile telecommunication systems

This revision updates the technical and operational characteristics by removing obsolete information and providing references for the characteristics of each system.

Draft revision of Recommendation ITU-R M.694 Doc. 8/BL/8

Reference radiation pattern for ship earth station antennas

This revision adds essential material of Report ITU-R M.922, whose deletion is being proposed. Attachment 1 to Annex 1 contains the material extracted from Report ITU-R M.922 to provide the technical information to support this Recommendation. Consequently, reference to Report ITU-R M.922 is deleted from the *considerings* with other editorial changes. A scope of the Recommendation is also added in this revision.

Draft revision of Recommendation ITU-R M.830 Doc. 8/BL/9

Operational procedures for mobile-satellite networks or systems in the bands 1 530-1 544 MHz and 1 626.5-1 645.5 MHz which are used for distress and safety purposes as specified for the GMDSS

This Recommendation is being updated to reflect the outcome of recent world radiocommunication conferences.

Draft revision of Recommendation ITU-R M.1469 Doc. 8/BL/10

Methodology for evaluating potential for interference from time division multiple access/frequency division multiple access (TDMA/FDMA) mobile-satellite service (MSS) (Earth-to-space) transmissions into line-of-sight fixed service receivers in the 2 GHz range

The revisions to this Recommendation eliminate references to dates of entry into force that had already passed and a reference to Resolution 46.

Draft revision of Recommendation ITU-R M.1343 Doc. 8/BL/11

Essential technical requirements of mobile earth stations for global non-geostationary mobile-satellite service systems in the bands 1-3 GHz

This revision of the Recommendation updates references to the Radio Regulations and reflects changes in the ITU-R Study Group 8 work programme.

Draft revision of Recommendation ITU-R M.1143-2 Doc. 8/BL/12

System specific methodology for coordination of non-geostationary space stations (space-to-Earth) operating in the mobile-satellite service with the fixed service

This revision updates the Recommendation to reflect changes in the Radio Regulations and ITU-R texts.

Draft revision of Recommendation ITU-R M.1141-1 Doc. 8/BL/13

Sharing in the 1-3 GHz frequency range between non-geostationary space stations operating in the mobile-satellite service and stations in the fixed service

This revision updates the Recommendation to reflect the latest changes in ITU references and the Radio Regulations consequential to the outcomes of recent world radiocommunication conferences.

Draft new Recommendation ITU-R M.[RADAR-16 GHz] (Doc. 8/46) Doc. 8/BL/14

Characteristics of and protection criteria for the radiolocation service in the frequency band 15.7-17.3 GHz

This Recommendation provides the technical characteristics and protection criteria for the radiolocation systems operating in the band 15 700-17 300 MHz, which is allocated to the radiolocation service on a primary basis. It was developed as a resource document intended to support sharing studies in conjunction with Recommendation ITU-R M.1461, addressing analysis procedures for determining compatibility between radars operating in the radiolocation service and other services.

Draft revision of Recommendation ITU-R M.1316 Doc. 8/BL/15

Principles and a methodology for frequency sharing in the 1 610.6-1 613.8 MHz and 1 660-1 660.5 MHz bands between the mobile-satellite service (Earth-to-space) and the radio astronomy service

This revision updates the Recommendation to take into account changes in the Radio Regulations and related ITU-R Recommendations.

Draft revision of Recommendation ITU-R M.1142-1 Doc. 8/BL/16

Sharing in the 1-3 GHz frequency range between geostationary space stations operating in the mobile-satellite service and stations in the fixed service

This revision updates the Recommendation to reflect the latest changes in ITU references and the Radio Regulations consequential to the outcomes of recent world radiocommunication conferences.

Draft revision of Recommendation ITU-R M.1314 Doc. 8/BL/17

Reduction of unwanted emissions of radar systems operating above 400 MHz

This revision to Recommendation ITU-R M.1314 expands the scope of the recommendation to include unwanted (out-of-band and spurious) emissions. The current Recommendation only addresses radar design factors pertaining to radar spurious emissions. Also, the Recommendation was expanded to cover radar systems operating above 400 MHz. The original Recommendation only addressed radars operating in the 3 and 5 GHz bands.

ANNEX 2

Deletion of Recommendations

Recommendation ITU-R	Title
M.546	Hypothetical telephone reference circuit in the aeronautical, land and maritime mobile-satellite services
M.1185	Method for determining coordination distance between ground based mobile earth stations and terrestrial stations operating in the 148.0-149.9 MHz band
M.1039	Co-frequency sharing between stations in the mobile service below 1 GHz and mobile earth stations of non-geostationary mobile- satellite systems (Earth-space) using frequency division multiple access
M.1468	Technical characteristics and sharing scenarios of satellite systems offering multiple services
M.1087	Methods for evaluating sharing between systems in the land mobile service and spread-spectrum low-Earth orbit (LEO) systems in the mobile-satellite service (MSS) below 1 GHz