



Radiocommunication Bureau
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Administrative Circular
CAR/294

11 February 2010

To Administrations of Member States of ITU

Subject: Radiocommunication Study Group 5

– Proposed approval of 1 draft revised Recommendation

At the meeting of ITU-R Study Group 5 (Terrestrial services) held on 7 and 8 December 2009, the Study Group adopted the text of 1 draft revised Recommendation and agreed to apply the procedure of Resolution ITU-R 1-5 (see § 10.4.5) for approval of Recommendations by consultation. The title and the summary of the draft Recommendation are given in the Annex.

Having regard to the provisions of § 10.4.5.2 of Resolution ITU-R 1-5, you are requested to inform the Secretariat (brsgd@itu.int) by 11 May 2010, whether your Administration approves or does not approve the draft Recommendation.

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 1-5).

After the above-mentioned deadline, the results of this consultation will be notified in an Administrative Circular and arrangements made for the approved Recommendation to be published in accordance with § 10.4.7 of Resolution ITU-R 1-5.

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

Title and summary of the draft Recommendation

Document attached:

Document 5/BL/5 on CD-ROM

Distribution:

- Administrations of Member States of the ITU
- Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 5
- ITU-R Associates participating in the work of Radiocommunication Study Group 5

Annex

Title and summary of the draft Recommendation adopted by Radiocommunication Study Group 5

Draft revision of Recommendation ITU-R M.1457-8

Doc. 5/BL/5

Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-2000 (IMT-2000)

This amendment of Recommendation ITU-R M.1457 is contained in Document 5/BL/5 as well as its Annexes 1 through 7. This revision is intended to keep the specified technologies of the terrestrial component of IMT-2000 up to date. The main changes include the addition of enhanced capabilities for some of the radio interfaces, and some consequential changes to the overview sections of the text, as well as to the Global Core Specifications.

The modifications are as follows:

- The title and Sections 1-5 have been updated also taking into account the guideline provided in Document 5/44.
- IMT-2000 CDMA Direct Spread and IMT-2000 CDMA TDD (Sections 5.1 and 5.3).
The main purpose of this update is to align Recommendation ITU-R M.1457 to the most updated versions of the specifications of IMT-2000 CDMA DS and IMT-2000 CDMA TDD. Sections 5.1.1 and 5.3.1 were reviewed and some amendments proposed in order to ensure full consistency.
- IMT-2000 CDMA Multi-Carrier (Section 5.2)
The proposed update provides enhanced CDMA MC air interface (TDD) specification and editorial modifications to Revision 8 of the technical summary of IMT-2000 CDMA MC as well as an additional technical summary corresponding to its recent enhancements.
- IMT-2000 TDMA Single-Carrier (Section 5.4)
This proposed update to TDMA-SC is a product of the new developments of the latest Release 7 GSM/EDGE Radio Access Network (GERAN) specifications containing enhanced GPRS phase 2 (EGPRS2) which provides some additional features. In addition, this update removes references to a 136HS Indoor TDD option which was never developed.
- IMT-2000 FDMA/TDMA (Section 5.5)
All the previous DECT features are maintained. The major additions are:
 - Completion of the second application profile for “New Generation DECT” which specifies the packet-mode data service supporting Internet Protocol with efficient spectrum usage and high data rate.

- Completion of the third application profile for “New Generation DECT” which specifies the interoperable implementation of extended services for wideband speech.
- The base standard has been updated to include the necessary protocol elements for the new services.
- The “DECT Packet Radio Service” standard has been updated to improve the efficiency of the data transfer.

– IMT-2000 OFDMA TDD WMAN (Section 5.6)

The main purpose of this update is to align Recommendation ITU-R M.1457 to the most updated versions of the specifications underlying the radio interface IMT-2000 OFDMA TDD WMAN. Furthermore, alignment is made by incorporating the FDD mode of IEEE Standard 802.16. The main enhancements are in VoIP capacity, MIMO, load balancing, and handover latency.

- Sections 6 & 7.2 (satellite material) has been deleted as per Document 5/44 and consequential edits are made in Sections 1-5.
