



Radiocommunication Bureau (BR)

Administrative Circular
CACE/700

2 December 2014

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

Subject: **Radiocommunication Study Group 5 (Terrestrial services)**

- **Proposed adoption of 2 draft new ITU-R Recommendations, 10 draft revised ITU-R Recommendations and 1 draft new ITU-R Question 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)**
- **Proposed approval of suppression of 1 ITU-R Question**

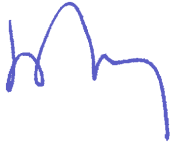
At the meeting of Radiocommunication Study Group 5, held from 10 to 11 November 2014, the Study Group decided to seek adoption of 2 draft new ITU-R Recommendations, 10 draft revised ITU-R Recommendations and 1 draft new ITU-R Question by correspondence (§ 10.2.3 of Resolution ITU-R 1-6) and further decided 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 and the text of the draft Question are given in Annexes 1 and 2. Furthermore, the Study Group proposed approval of suppression of 1 ITU-R Question mentioned in Annex 3.

The consideration period shall extend for 2 months ending on 2 February 2015. If within this period no objections are received from Member States, the draft Recommendations and draft Question shall be considered to be adopted by Study Group 5. Furthermore, since the PSAA procedure has been followed, the draft Recommendations and draft Question shall also be considered as approved.

Any Member State who objects to the adoption of a draft Recommendation/draft Question or to the approval of the suppression of a Recommendation/Question 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 and Question will be published as soon as practicable (see <http://www.itu.int/pub/R-REC> and <http://www.itu.int/pub/R-QUE-SG05/en>).

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 1: Titles and summaries of the draft Recommendations

Annex 2: Draft new ITU-R Question

Annex 3: Question proposed for suppression

Documents: Documents 134(Rev.1), 148(Rev.1), 5/150(Rev.1), 5/151(Rev.1), 5/152(Rev.1), 5/153(Rev.1), 5/160(Rev.1), 5/161(Rev.1), 5/166(Rev.1), 5/177(Rev.1), 5/179(Rev.1) and 5/184(Rev.1)

These documents are available in electronic format at: <http://www.itu.int/md/R12-SG05-C/en>.

Distribution:

- Administrations of Member States of the ITU and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 5
- ITU-R Associates participating in the work of Radiocommunication Study Group 5
- 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 1

Titles and summaries of the draft Recommendations

Draft new Recommendation ITU-R M.[MS 14.5-15.35 GHz]

Doc. 5/148(Rev.1)

Characteristics of and protection criteria for systems operating in the mobile service in the frequency range 14.5-15.35 GHz

This Recommendation specifies the characteristics of and protection criteria for systems operating in the mobile service in the frequency range 14.5-15.35 GHz. These technical and operational characteristics should be used in analyzing compatibility between systems operating in the mobile service with systems in other services.

Draft new Recommendation ITU-R M.[WAIC]

Doc. 5/184(Rev.1)

Technical characteristics and protection criteria for Wireless Avionics Intra-Communication systems

This Recommendation provides the technical and operational characteristics of, and protection criteria for wireless avionics intra-communication (WAIC) systems. These characteristics are intended for use when assessing the compatibility of WAIC systems with other services.

Draft revision of Recommendation ITU-R M.1457-11

Doc. 5/134(Rev.1)

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

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. Also the transposition references have been updated.

The modifications apply to the following sections:

- IMT-2000 CDMA Direct Spread and IMT-2000 CDMA TDD (sections 5.1 and 5.3)
- IMT-2000 CDMA Multi-Carrier (section 5.2)
- IMT-2000 TDMA Single-Carrier (section 5.4)
- IMT-2000 FDMA/TDMA (section 5.5)
- IMT-2000 OFDMA TDD WMAN (section 5.6)

Draft revision of Recommendation ITU-R M.1824-0

Doc. 5/150(Rev.1)

System characteristics of television outside broadcast, electronic news gathering and electronic field production in the mobile service for use in sharing studies

This revision includes:

- Editorial updates in the light of the results of RA-12 and WRC-12.
- Added information on operational and technical characteristics that should be used for sharing studies between mobile broadband networks used for ENG applications in the mobile service and other services.

Draft revision of Recommendation ITU-R M.1076-0

Doc. 5/151(Rev.1)

Wireless communication systems for persons with impaired hearing

This revision has updated the information showing the current use, technical characteristics and implementation of wireless communications for persons with impaired hearing.

Draft revision of Recommendation ITU-R M.1464-1

Doc. 5/152(Rev.1)

Characteristics of radiolocation radars, and characteristics and protection criteria for sharing studies for aeronautical radionavigation and meteorological radars in the radiodetermination service operating in the frequency band 2 700-2 900 MHz

In this revision changes were made to Radars A, B and C in the Table 1. New radars F1 and F2 are added to the same Table. Characteristics of meteorological radars, Table 2, and text related to those were deleted from this Recommendation. Radar M is added to Table 3. Section 3 of Annex 1 is amended to clarify the level of protection for radar receivers.

Draft revision of Recommendation ITU-R M.1465-1

Doc. 5/153(Rev.1)

Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency band 3 100-3 700 MHz

In this revision ship systems C and D are added to Table 1. Additional text was added to section 3 of Annex 1 clarifying the protection criteria in the presence of interference from communication signals.

Draft revision of Recommendation ITU-R M.1463-2

Doc. 5/160(Rev.1)

Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency band 1 215-1 400 MHz

In this revision two new electronically steerable arrays (ESA) are added to the Table 1. A brief description of technical characteristics of ESA is added.

Draft revision of Recommendation ITU-R M.1460-1

Doc. 5/161(Rev.1)

Technical and operational characteristics and protection criteria of radiodetermination radars in the frequency band 2 900-3 100 MHz

In this revision a brief description of maritime radars 3A, 3B and 3C and their characteristics are added to Table 1. Table 1 was formatted to add a column on units. Characteristics of maritime radar in Table 4 are amended.

Draft revision of Recommendation ITU-R F.1778-0

Doc. 5/166(Rev.1)

Channel access requirements for HF adaptive systems in the fixed service

In this revision the title of this Recommendation is updated to reflect usage of adaptive systems in land mobile systems. Dynamic frequency selection system operation is explained in detail and detection requirements are expanded to cover typical signals that could be present in HF bands where adaptive systems may operate.

Draft revision of Recommendation ITU-R M.2009-0

Doc. 5/177(Rev.1)

Radio interface standards for use by public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646 (Rev.WRC-12)

In this revision the broadband radio interface standards LTE-Advanced, SC-DMA and B-TrunC have been added as part of the Recommendation. Annex 3 has also been deleted and replaced with a reference to Report ITU-R M.2033 in the *noting*. Other editorial improvements have also been made, such as adding relevant ITU-R Recommendations to the list of references, amending the titles of some sections to better reflect the contents, and removing acronyms/abbreviations no longer in use or used only once.

**Frequency arrangements for public protection and disaster relief
radiocommunication systems in UHF bands in accordance
with Resolution 646 (Rev.WRC-12)**

In this revision frequency arrangements for the band 406.1-430 MHz have been added in Annex 4 and two additional frequency arrangements for the bands 806-824/851-869 MHz have been added in Annex 5 to reflect current deployments of PPDR networks. A number of additions and editorial changes have been made to the *considerings* and *notings*. *Recognizing d)* has been added from Resolution **646 (Rev.WRC-12)** as well as a new footnote 4 that includes frequency ranges/bands used or considered for use in some administrations that are not included in Resolution **646 (Rev.WRC-12)**.

Annex 2

(Document [5/164](#))

DRAFT NEW QUESTION ITU-R [PERFORM]/5

Performance and availability objectives and requirements for fixed wireless systems, including packet-based systems

The ITU Radiocommunication Assembly,

considering

- a) that nowadays as the demand for bandwidth need is increasing significantly, the fixed wireless systems (FWS) technology has also evolved from supporting low capacity to high capacity which can provide much higher speed data transmission;
- b) that regarding the capacity evolution, the FWS technology has evolved over the years both in terms of the technology and applications;
- c) that this evolution in FWS technology is also leading towards consistent evolution in network performance, availability, architectures, capacity and bandwidth requirements;
- d) that packet-based applications constitute major part of existing transport and access networks, and are expected to be strongly increased in near future;
- e) that there is a need to understand the performance, availability objectives and requirements for the physical data layer of those evolving FWS, including packet-based systems;
- f) that there is a need to provide guidance which would assist administrations, manufacturers and telecom operators in setting up and maintenance of networks,

noting

that Recommendations ITU-R F.1668 and ITU-R F.1703 specify the objectives of error performance and availability for real fixed wireless links used in 27 500 km hypothetical reference path and connections, based on Recommendations ITU-T G.826 and ITU-T G.827, respectively,

decides that the following Question should be studied

What are the key items related to the performance and availability objectives and requirements of physical data layer of FWS, including packed-based systems, taking into account:

- Existing ITU-T media-independent specifications on architecture and interfaces;
- Existing ITU-T specific Recommendations on error performance and availability objectives;
- Existing ITU-R specific Recommendations on link planning and propagation;
- Existing publications from other organizations that would need to liaise with in doing this work,

further decides

- 1 that eventual problems identified in analyses should be liaised with ITU-T and/or other Fora for guidance and alignment;
- 2 that the results of the above studies should be included in new and/or revised ITU-R Reports/Recommendations as appropriate;
- 3 that initial results of the above studies should be completed by 2019.

Category: S2

Annex 3

(Document [5/180](#))

Question proposed for suppression

Question ITU-R	Title
230-3/5	Software-defined radios
