



Radiocommunication Bureau (BR)

Administrative Circular
CACE/1010

23 December 2021

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

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

- **Proposed adoption of 9 draft revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § A2.6.2.4 of Resolution ITU-R 1-8 (Procedure for the simultaneous adoption and approval by correspondence)**

At the meeting of Radiocommunication Study Group 5, held on 16 December 2021, the Study Group decided to seek adoption of 9 draft revised ITU-R Recommendations by correspondence (§ A2.6.2 of Resolution ITU-R 1-8) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA, § A2.6.2.4 of Resolution ITU-R 1-8). The titles and summaries of the draft Recommendations are given in the Annex to this letter. Any Member State which objects to the adoption of a draft Recommendation is requested to inform the Director and the Chairman of the Study Group of the reasons for the objection.

The consideration period shall extend for 2 months ending on 23 February 2022. If within this period no objections are received from Member States, the draft Recommendations shall be considered to be adopted by Study Group 5. Furthermore, since the PSAA procedure has been followed, the draft Recommendations shall also be considered as approved.

After the above-mentioned deadline, the results of the above procedures will be announced in an Administrative Circular and the approved Recommendations will be published as soon as practicable (see <http://www.itu.int/pub/R-REC>).

Any ITU member organization aware of a patent held by itself or others which may fully or partly cover elements of the draft Recommendations 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>.

Mario Maniewicz
Director

Annex: Titles and summaries of the draft Recommendations

Documents: Documents 5/53, 5/55, 5/59, 5/60, 5/61, 5/62, 5/68, 5/69, 5/70(Rev.2)

These documents are available in electronic format at: <https://www.itu.int/md/R19-SG05-C/en>

Annex

Titles and summaries of the draft ITU-R Recommendations

Draft revision of Recommendation ITU-R M.2150-0

Doc. 5/53

Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-2020 (IMT-2020)

This modification of Recommendation ITU-R M.2150 is intended to include an additional radio interface technology, DECT 5G-SRIT (Set of Radio Interface Technologies), which has fulfilled all the minimum requirements (technical performance, services and spectrum) contained in Circular Letter [5/LCCE/59](#) (including its addenda), as per the principles expressed in Resolution [ITU-R 65](#). Such fulfilment has been assessed and evaluated by ITU-R Working Party 5D in collaboration with Independent Evaluation Groups (external to the ITU).

The modifications are the following:

- Detailed specifications of additional IMT-2020 Radio Interface Technologies are in new Annex 4 “Specification of the DECT 5G-SRIT radio interface technology”.
- For the Annexes 1-3, an editorial renumbering has been done (starting the numbering of sections, figures and tables in each annex from 1).

Draft revision of Recommendation ITU-R M.1824-1

Doc. 5/55

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

This revision includes new system characteristics in the frequency bands in 5.850-8.500 GHz, 10.250-13.250 GHz and 41.0-42.0 GHz for the transmission of ultra high-definition television (UHDTV) signals for broadcast auxiliary services (BAS) in Table 1. This also contains some additional information about BAS links on Figure 1 and Figure 2 for clarification and understandability.

Draft revision of Recommendation ITU-R F.2005-0

Doc. 5/59

Radio-frequency channel and block arrangements for fixed wireless systems operating in the 42 GHz (40.5 to 43.5 GHz) band

This revision adds the additional channel bandwidth of 224 MHz to the existing channel bandwidth series of 7, 14, 28, 56 and 112 MHz in Annex 1 in the 42 GHz band. The scope has been modified accordingly.

Draft revision of Recommendation ITU-R F.637-4

Doc. 5/60

Radio-frequency channel arrangements for fixed wireless systems operating in the 21.2-23.6 GHz band

This revision adds the additional channel bandwidth of 224 MHz and 56 MHz to the existing channel bandwidth series of 3.5, 7, 14, 28 and 112 MHz in Annex 1 and adds the additional channel bandwidth of 224 MHz in Annex 2 in the 23 GHz band.

Draft revision of Recommendation ITU-R F.749-3

Doc. 5/61

Radio-frequency channel arrangements for systems of the fixed service operating in sub-bands in the 36-40.5 GHz band

This revision adds a new section in Annex 1, related to the interleaved channel arrangements for 224 MHz channels.

Draft revision of Recommendation ITU-R F.595-10

Doc. 5/62

Radio-frequency channel arrangements for fixed wireless systems operating in the 17.7-19.7 GHz frequency band

The revision adds the interleaved channel arrangement for 220 MHz channel bandwidth with 1 010 MHz duplex spacing for fixed wireless systems operating in the 17.7-19.7 GHz frequency band.

Draft revision of Recommendation ITU-R M.1796-2

Doc. 5/68

Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency band 8 500-10 680 MHz

This revision of the Recommendation is consequential to:

- 1 modification of Abbreviations/Glossary;
- 2 addition of related ITU Recommendations/Reports;
- 3 in Annex 1, Table 1 – System A12, modification of the function, tuning range, pulse rise/fall time, antenna pattern type, antenna side-lobe level, antenna height, receiver IF bandwidth, total chirp width, and RF emission bandwidth.

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

This revision of the Recommendation is consequential to:

- 1 In the Abbreviations/Glossary section, deleting the Moving Target Indicator, Phased array, and Slotted Waveguide array terms.
- 2 In the *considering*, clarifying RR No. **5.433**.
- 3 In the *recommends*, add *recommends 4*.
- 4 In Annex 1, Table 1, adding land-based systems L-F and L-G, modify the tuning range of systems L-C, L-D, L-E, and S-D, as well as spell out the antenna type of systems L-D, L-E, S-A, and S-B.
- 5 In Annex 1, Table 1, modifying the compression ratio, type of compression, vertical scan rate, and polarization of airborne system A-A; add Land-based systems L-G, and L-F.
- 6 In Sections 2.1.1, 2.1.2, 2.1.4, 2.2.4, and 2.3 updating as needed to reflect the changes introduced in Table 1.

Technical characteristics for a VHF data exchange system in the VHF maritime mobile band

This revision of the Recommendation is consequential to:

- 1 decisions made by the WRC-19 which modified Appendix **18** of the Radio Regulations to describe the uses of the channels for the various functions of the VHF data exchange system (VDES), and
- 2 result of testing carried out since the publication of the current Recommendation.

The concept of VDES described in the current Recommendation remains, but the details of its implementation are proposed to be revised due to the factors stated above. The proposed revisions are contained in the technical annexes.

As a result of the changes required, the structure of the annexes of this Recommendation have changed. In order to avoid track changes against the current version of this Recommendation causing confusion, the annexes are presented as clean text.
