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Radiocommunication Bureau (BR)

Addendum 1 to
Administrative Circular
CACE/1067

15 August 2023

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

Subject: **Meeting of Radiocommunication Study Group 5 (Terrestrial Services),
Geneva, 25 and 26 September 2023**

Introduction

By [CACE/1067](#), on 6 July 2023, the meeting of Radiocommunication Study Group 5 has been announced to take place in Geneva on 25 and 26 September 2023.

Section 2.1 and Annex 2 therein inform the Membership about the titles and summaries revisions of ten ITU-R Recommendations which are proposed for adoption by the Study Group at its meeting in accordance with § A2.6.2.2.2 of Resolution ITU-R 1-8.

Adoption of 5 further draft Recommendations at the Study Group meeting (§ A2.6.2.2.2 of Resolution ITU-R 1-8)

Following the finalization of the 31st meeting of ITU-R Working Party 5B in July 2023, five further draft Recommendations are proposed for adoption by the Study Group at its meeting in accordance with § A2.6.2.2.2 of Resolution ITU-R 1-8.

In accordance with § A2.6.2.2.1 of Resolution ITU-R 1-8, this Addendum provides the titles and summaries of the draft Recommendations in the Annex.

Mario Maniewicz
Director

Annex: Titles and summaries of the draft Recommendations proposed for adoption at the Study Group 5 meeting

Annex

Titles and summaries of the draft Recommendations proposed for adoption at the Study Group 5 meeting

Working Party 5B

Draft revision of Recommendation ITU-R M.493-15

Doc. [5/155](#)

Digital selective-calling system for use in the maritime mobile service

For the alignment of the modifications carried out by the International Maritime Organization (IMO) for the revision of SOLAS Chapter IV this update of the Recommendation contains:

- Due to the removal of the VHF digital selective calling (DSC) EPIRB from SOLAS IV the related calls and all references for this item are deleted from this Recommendation.
- Update and complements the technical characteristic of DSC for the introduction of the automatic connection system (ACS).
- As narrow-band direct-printing (NBDP) for MF and HF for distress alerting, distress-relay, urgency and safety calls and the related acknowledgments including all calls using automatic repeat request (ARQ) are removed from Table A1-4.1 to Table A1-4.10.2 to follow the revised SOLAS IV in this Recommendation.
- As Maritime Safety Information (MSI) on HF is retained in the revised SOLAS Chapter IV for the automatic reception of MSI on HF the reception capability of NBDP using forward error correction (FEC) for Areas is established.

The Reference to Recommendation ITU-R M.476 is removed as such equipment has not been installed since 2005.

In course of the evolution of Recommendation ITU-R M.2135 the general description of DSC Class M devices and their operational functionalities are now presented in Recommendation ITU-R M.2135 where the description of the specific DSC functionality is described in this Recommendation.

In reflection of the necessary modifications *recommend 3* has been updated and *recommend 4* deleted.

Operational procedures for the use of digital selective-calling equipment in the maritime mobile service

Note: This Recommendation is incorporated in the Radio Regulations by reference.

The proposed modifications of this Recommendation update and complement the operational procedures for the use of DSC for introduction of automatic connection system (ACS).

The narrow-band direct-printing telegraphy (NBDP) related texts are deleted from the Recommendation as the NBDP service will be excluded from GMDSS by 1 January 2024.

Modified Scope, Abbreviations/Glossary and recommends. Deletion of NBDP related explanations from Annexes 1, 2 and 4. Added ACS operational procedures as new Annex 5, changed old Annex 5 to Annex 6, changed old Annex 6 to Annex 7 and added section 2.3. Change the overall referenced Annex number.

Radiotelephony procedures in the maritime mobile service

Note: This Recommendation is incorporated in the Radio Regulations by reference.

Implementation of keywords identified written with capital letters should be in English language to be published in the versions of the six ITU official languages. This is the same principle already implemented in the RR Articles **32** and **33**. Services no longer in practical use in the maritime mobile service such as public correspondence the handling of telegrams as well as the Q-Codes are removed here.

Mathematical models for radiodetermination radar systems antenna patterns for use in interference analyses

Revisions include:

- Extension of the scope of the Recommendation to aeronautical mobile systems.
- Update of the recommends.
- Updates and clarifications on the cosecant-squared pattern.
- New model for rectangular aperture antennas on a pedestal.
- New model for circular aperture antennas.
- Update of the methodology to produce 3-D antenna patterns from principle cuts.
- New measurement of a cosecant-squared antenna.

**Technical and operational characteristics of radiolocation systems operating
in the frequency range 92-100 GHz and radionavigation systems
operating in the frequency range 95-100 GHz**

This Recommendation contains the technical and operational characteristics of the radiolocation and radionavigation systems operating in the frequency range 92-100 GHz. The parameters are intended to be used as a guideline in analysing compatibility between radars operating in the radiolocation service or in the radionavigation service with systems in other services.
