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# *ITU*

# Report of ITU-R WP5B meeting 10th to 21st May 2021

Note by the IALA representative Stefan Bober

#### INTRODUCTION

ITU-R Working Party 5B (WP 5B) - Maritime mobile service including Global Maritime Distress and Safety System (GMDSS); aeronautical mobile service and radiodetermination service - held its meeting from 10th to 21st May 2021. This was the third meeting in the study cycle 2019 to 2023. The meeting was held as a web meeting due to the COVID 19 pandemic. Mr. Stefan Bober represented IALA.

IALA has a specific interest in Maritime mobile service including Global Maritime Distress and Safety System (GMDSS) and radiodetermination service, with particular emphasis on the development of VHF Data Exchange System (VDES), Automatic Identification System (AIS), Autonomous Maritime Radio Devices (AMRD) and e-Navigation.

#### issues related to IALA work addressed during ITU-R WP 5B

##### Revision of Recommendation ITU-R M.2092-0 (VHF Data Exchange System - VDES)

The maritime group of WP5B- continued working on the revision of Recommendation ITU-R M.2092-0. As agreed at the last meeting, intersessional work regarding clarification of two open issues and the restructuring of the document has been presented. The group reviewed the input and further amended the document editorially.

However ITU WP5B plenary did not adopt the document due to the need of editorial alignments with perceived ITU document standards, that WP5B maritime was not aware of.

It is expected that the preliminary draft revision of Recommendation ITU-R M.2092-0 will be adopted by WP5B and approved by Study Group 5 at the next meeting in November 2021 as there were no technical questions raised anymore.

* **Members of IALA ENAV WG 3 are encouraged to actively support the revision of Rec. ITU-R M.2092 through their national representation at ITU WP 5B.**
* **IALA may update G1139 according to the development at ITU WP5B and is invited to further contribute to the work on the revision of Recommendation ITU-R M. 2092-0 as appropriate.**

##### Revision of Recommendation ITU-R M.1371-5 (Automatic Identification System - AIS)

WP 5B continued working on the revision of Recommendation ITU-R M.1371-5. The group reviewed the liaison statements from IALA and CIRM answering specific questions from ITU. A liaison statement from IMO was outstanding and is announced for the next WP 5B meeting in May 2022.

The liaison notes from IALA and CIRM highlight the complexity of the issue and the impact on the safety of navigation. Noting the expert knowledge related to navigation, cargo, dangerous cargo and other maritime aspects are within IMO, WP 5B suggests that IALA and CIRM liaise closely with IMO to progress the work on the revision of Recommendation ITU-R M.1371-5.

WP 5B is of the view that close direct coordination between IALA, CIRM and IMO would assist IMO as the competent body for navigation-related aspects.

* **A reply liaison statement has been sent to IALA proposing a direct coordination between IALA, CIRM and IMO on the revision of Recommendation ITU-R M.1371-5.**
* **IALA is invited to consider the liaison statement and provide input on the issues to the next IMO/ITU joint expert group meeting November 1st to 5th 2021. It is expected that the revision of Recommendation ITU-R M.1371-5 will be addressed during that meeting. A representation of IALA during that meeting might be beneficial.**

##### WRC-23 agenda item 1.11 (Modernisation of the GMDSS and implementation of e-navigation)

WRC-23 agenda item 1.11 is to consider possible regulatory actions to support the modernisation of the Global Maritime Distress and Safety System and the implementation of e-navigation in accordance with Resolution 361 (Rev.WRC-19).

The WG 5B continued to progress the work, updated the draft CPM Text and the work plan.

Resolution 361 (Rev.WRC-19) structured the task in three parts:

Resolve 1: to consider possible regulatory actions, taking into consideration the activities of IMO, as well as information and requirements provided by IMO to support GMDSS modernization;

The removal of NBDP from the GMDSS, the implementation of an automatic connection system (ACS) for MF and HF in DSC and the recognition of AIS-SART as homing Equipment for Survival craft station is proposed.

Resolve 2: to consider possible regulatory actions, for the maritime mobile service, supporting e- navigation;

A liaison statement to IMO was drafted seeking information on requirements necessary for e-Navigation, e.g. classification of service, performance requirements and envisioned systems, e.g. NAVDAT or VDES.

Resolve 3: to consider regulatory provisions, to support the introduction of additional satellite systems into the GMDSS. (ITU-R WP 4C)

ITU-R WP4C is developing studies on the spectrum necessary for a geostationary-satellite system to provide GMDSS functionalities.

##### Revision of Recommendation ITU-R M.2135 (Autonomous Maritime Radio Device - AMRD)

An off line meeting took place to start work on the document. The proposed revision provides clarifications and further technical characteristics of AMRD Group B.

##### Revision of Recommendation ITU-R M.585-8 (Maritime identities)

An off line meeting took place to continue work on the document. The proposed revision provides a numbering scheme for autonomous maritime radio devices (AMRD) Group B and Rules on use of manufacturer IDs for devices using a freeform number identity.

##### Revision of Recommendation ITU-R M.493-15 and ITU-R M.541 (Digital selective-calling DSC)

WP5B continued work on the documents. The proposed modifications of this Recommendations update and complement the technical characteristic of DSC for introduction of automatic connection system (ACS). Deletion of references to VHF DSC EPIRB as this item is deleted from SOLAS IV and references to narrow band direct printing for MF and HF for distress alerting, distress-relay, urgency and safety calls and the related acknowledgements.

##### Draft new report on the electromagnetic interference (EMI) from LED and other sources

WP 5B continued work on a new report on Conditions for the protection of radio receivers installed on-board vessels against electromagnetic interference from LED lighting systems and other unintended sources. The purpose of this report is to identify and describe the problem of EMI emanating from LED lighting systems on marine vessels and the effects of EMI on maritime safety-related systems and to develop new technical guidance and installation guidelines for mariners to minimize degradation from EMI to sensitive radio communications and radio navigation equipment on their vessels.

#### RELATED DOCUMENTS

* ITU-R WP5B Liaison statement to IALA, CIRM on revision of Rec. ITU-R M.1371-5
* Preliminary draft revision of Recommendation ITU-R M.2092-0
* Preliminary draft revision of Recommendation ITU-R M.1371-5

#### IALA IS REQUESTED TO

* **IALA is requested to note the report on ITU-R WP5B and act accordingly.**