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# *ITU*

# Report of ITU-R WP5B meeting 9th to 20th November 2020

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 9th to 20th November 2020. This was the second 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 had 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 Navigational Data for broadcasting maritime safety and security related information (NAVDAT).

The meeting were held as web meeting from 12:00 h to 16:00 h CEST each day. Drafting groups were set up to address the specific issues. Due to limited meeting time available, so called off line meetings outside the working group were held to allow for preparation of the work which could not be addressed in drafting groups.

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

##### Revision of Recommendation ITU-R M.2092-0 (VDES)

WP 5B continued working on the document towards revision of Recommendation ITU-R M.2092-0.  
The Report and activities of ITU-R WP 5B Correspondence Group (CG) on revision of Recommendation ITU-R M.2092-0, in which IALA was greatly involved, was well received at the WP 5B meeting. The document of the CG has been agreed as the baseline for further development. Two additional input document have been received and were incorporated in the document.

The resulting document on the revision of Recommendation ITU-R M.2029-0 has been accepted during the meeting. Only two issues which needs more consideration has been referred to intersessional preparation and input to the next WP 5B meeting. Intersessional editorial work regarding restructuring of the document has also be agreed.

The status of the document has been elevated to Preliminary Daft Revision of Recommendation ITU-R M.2092-0 at the WP 5B plenary meeting, which is an important step towards the expected approval of ITU-R M.2092-1 in November 2021.

* **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 (AIS)

WP 5B continued working on the document towards revision of Recommendation ITU-R M.1371-5 and considered input documents received. The working document contains quite an extensive amount of proposed changes which could not be decided upon due to the limited time available at the meeting. WP5B drafted two liaison statements to seek advice on specific issues from IMO, IALA and CIRM. Of particular interest of IALA might be the proposed changes to Message 21 “AIS AtoN report” and new proposed message 28 “Single slot AIS AtoN report” which are specifically addressed in one of the liaison statements to IALA.

* **Two liaison statements have been sent to IALA on the revision of Recommendation ITU-R M.1371-5,**
* **IALA is invited to consider the liaison statements and further contribute to the work on the revision of Recommendation ITU-R M.1371-5, especially on AIS AtoN development (Messages 21 and 28) until the next ITU-R WP5B meeting in May 2021.**

##### Revision of Recommendation ITU-R M.1798-1 (HF digital data exchange)

This Recommendation describes a MF/HF radio system and a HF data transfer protocol used in the maritime mobile service (MMS) for the exchange of data and electronic mail providing a similar functional capability to narrow-band direct printing (NBDP) and other features.

The revision of Recommendation ITU-R M.1798-1 introduces an additional system that provides point-to-point communication for shore-to-ship, ship-to-shore and ship-to-ship in the maritime HF band.

Work was completed on the revision of Recommendation ITU-R M.1798—1.

##### 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).

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;

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

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

The WG continued to progress the work with respect to WRC-23 agenda item 1.11, establishing both a skeleton for the Draft CPM Text and a work program as to how they plan to complete the work within the timescales current laid out by CPM on the basis of a WRC in 2023.

##### Revision of Recommendation ITU-R M.2058-0 (NAVDAT HF) and ITU-R M.2010-1 (NAVDAT system in 500 kHz)

An off line meeting took place to continue work on the revision of Recommendation M.2058-0 "Characteristics of a digital system, named Navigational Data for broadcasting maritime safety and security related information from shore-to-ship in the maritime HF frequency band" and Recommendation M.2010-0 "Characteristics of a digital system, named Navigational Data for broadcasting maritime safety and security related information from shore-to-ship in the 500 kHz band.

This revisions update and complements the technical characteristic of the NAVDAT system in HF and in 500 kHz.

##### 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)

An off line meeting took place to start 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). In order to progress on the proposed revisions to Recommendations ITU-R M.493 and ITU-R M.541 a correspondence group was established

##### Draft new report on the UHF\_ONBOARD\_USAGE

WP 5B started work on a new report on the UHF\_ONBOARD\_USAGE. This Report is intended to provide to all administrations and their national maritime stakeholders the most recent information available on the permitted use of the UHF frequencies by on-board communication stations in other countries.

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

WP 5B started work on a new report on EMI from LED and other sources This Report is intended to provide information on conditions for the protection of radio receivers installed onboard vessels against electromagnetic interference (EMI) 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, to quantify the intensity of this problem in technical terms, to assess the insufficiency of current EMI standards, to address this problem, develop new technical guidance relevant problem and coordinate with relevant standards groups and to develop installation guidelines for mariners to minimize degradation from EMI to sensitive radio communications and radio navigation equipment on their vessels.

##### Maritime Radio Communication Plan (MRCP)

Due to time constrains the document has not be addressed during the WP5B meeting.

#### RELATED DOCUMENTS

* Preliminary draft revision of Recommendation ITU-R M.2092-0
* WD towards revision of Recommendation ITU-R M.1371-5
* ITU-R WP5B Liaison statement to IMO, IALA, CIRM on revision of Rec. ITU-R M.1371-5
* ITU-R WP5B Liaison statement to IALA on revision of Rec. ITU-R M.1371-5, Msg. 21 and 28

#### IALA IS REQUESTED TO

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