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Report of ITU-R SG5 and WP5B

Note by the IALA representative Stefan Bober

1. BACKGROUND

Both meetings were held in Geneva, ITU-R SG5 on 8th May 2016 and ITU-R WP 5B from 9th to 20th May 2016. IALA was represented by Stefan Bober by kind permission of the Federal Waterways and Shipping Administration of Germany.

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 VDES, VDE-SAT, AIS and autonomous radio devices operating in the maritime VHF mobile band.

IALA had submitted three documents to ITU-R Working Party 5B, as follows:

- Liaison Note to ITU-R Working Party 5B - Regarding the cooperation with IALA
- Liaison Note to ITU-R Working Party 5B - Regarding the agenda item 1.9.2 (WRC-19)
- Liaison Note to ITU-R Study Group 5 and Working Party 5B - Regarding the Recommendation ITU-R M.2092-0.

2. INTRODUCTION

The meetings of ITU-R Study Group 5 and ITU-R Working Party 5B meeting were the first meetings in the study cycle between the World Radiocommunication Conference 2015 (WRC 15) and the World Radiocommunication Conference in 2019 (WRC 19). The meeting mainly aimed to set up the work plan and prepared for the future work.

WRC 15 tasked ITU-R to prepare for several new agenda items for the next WRC 19.

WRC 19 agenda items with relevance for IALAs task are (see also input paper C62-14.2.3):

- Resolution 359 (Rev.WRC 15) Consideration of Provision for updating and modernization of the Global Maritime Distress Safety Systems (-> introduce new satellite system to the GMDSS)
- Resolution 360 (Rev.WRC 15) Consideration of regulatory provisions and spectrum allocations to the maritime mobile-satellite service to enable the satellite component of the VHF Data Exchange System and enhanced maritime radiocommunication (-> VDE Satellite as component of VDES, sharing and compatibility studies)
- Resolution 361 (Rev.WRC 15) Consideration of regulatory provisions for modernization of the Global Maritime Distress Safety Systems and related to the implementation of e-navigation (-> preparation for WRC 23)



- Resolution 362 (Rev.WRC 15) Autonomous maritime radio devices operating in the frequency band 156 – 162.05 MHz (studies to determine spectrum needs and technical and operational characteristics)

3. RELATED DOCUMENTS

Input paper C62-14.2.3 ITU WRC Resolutions relevant to IALA work.

4. ISSUES RELATED TO IALA WORK ADDRESSED DURING ITU-R WP 5B

4.1. Res 360 WRC 15 - agenda item 1.9.2 (WRC-19): VDE Satellite as component of VDES

WRC 15 Resolution 360 tasks ITU to conduct further studies regarding the VDE Satellite component of VDES (agenda item 1.9.2 WRC19)

The input document of IALA proposing the structure of the studies on VDE Satellite was well received by WP 5B and constituted the basis for further developments during the meeting. Inputs from participants of the meeting were incorporated into the document. This document is held as working document towards a preliminary draft new Report on VDE SAT.

IALA is invited to further contribute to the development of the study on VDE satellite.

4.2. Res 361 WRC 15 – agenda item 1.9.1 (WRC 19): Autonomous maritime radio devices

WRC 15 Resolution 362 tasks ITU to conduct studies to identify, categorize and determine spectrum needs for maritime radio devices which operates autonomously in the maritime environment. This will include devices on towed unpowered ships, diver locating devices, man over board devices, floating ice and wave-gliders, fishing net marker devices, oil spill tracing buoys and other drifting buoys.

WP 5B started the work to address autonomous maritime radio devices and their technical and operational characteristics.

A liaison note to IALA was drafted on that issue. IALA is invited to contribute to that work.

4.3. Revision of Recommendation ITU-R M.2092-0

WRC 15 resulted in the frequency assignment for the VDES component ASM and VDE terrestrial. However the VDE Satellite component was not approved and needs further studies.

In the light of this outcome Rec. ITU-R M.2092 must be revised to reflect the results of WRC 15.

IALA requested in its liaison note to hold the revision of ITU-R M.2092-0 until November 2017 to allow for further development of ASM and VDE terrestrial as well.

ITU WP 5B agreed to the proposal from IALA and invites IALA to further contribute to the development of ITU-R M.2092.

4.4. Revision of Recommendation ITU-R M.1371-5

China proposed a revision of ITU-R M.1371-5 to include BeiDou Navigation Satellite System.

Further input to the revision of ITU-R M.1371-5 is expected in the course of the development of VDES in the next 2 to 3 years.

The recommendation was re-opened and is held as working document for further input.

IALA is invited to input to the revision of ITU R M.1371-5.

4.5. IALA Maritime Radio Communication Plan

WP 5B discussed the status of the working document “Maritime Radio Communication Plan”. This document has not been finalized during the last study cycle of WP 5B. This document has been



developed by IALA. An update of that document reflecting the latest developments at WRC 12 and WRC 15 is required.

It was concluded to hold the document until after the next meeting to allow for further input.

IALA is invited to provide input on the updated to the “Maritime Radio Communication Plan”.

4.6. ITU cooperation with IALA – Liaison Rapporteur

The liaison note from IALA to ITU-R Working Party 5B regarding the cooperation with IALA was well received. The good working relationship between ITU-R WP5B and IALA was highlighted and should be continued in the future.

Mr. Christian Rissone was assigned as liaison rapporteur of ITU-R at IALA.

5. THE COUNCIL IS REQUESTED TO

Note the report on ITU-R SG5 and WP5B.

Note the actions expected from IALA to be carried out by the ENAV Committee as part of its 2014-2018 Work Programme.