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# *ITU*

# Report of ITU-R WP5B meeting 22nd May to 2nd June 2017

Note by the IALA representative Stefan Bober

#### INTRODUCTION

The ITU-R WP 5B from 22nd May to 2nd June 2017 was the third meeting in the study cycle. 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 (AMRD) operating in the maritime VHF mobile band.

IALA had submitted one documents to ITU-R Working Party 5B (WP 5B):

* + - * Liaison Note to ITU-R WP 5B - Regarding the agenda item 1.9.2 WRC-19 (VDE-SAT).

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

##### VDE Satellite as component of VDES (agenda item 1.9.2 (WRC-19)

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 with the ongoing work on 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.

However Russia and China questions if the protection criteria as defined in ITU-R M.2092-0 are sufficient. The protection criteria were developed last ITU study cycle (2012 to 2015) and ensure that land mobile services are not being negatively impaired by VDE satellite transmissions. Also Russia questions if the VDE satellite would be enough protected from some earth based services. The 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, especially to show that the given protection criteria are sufficient.**

**It would be helpful if IALA could encourage its members from Russia and China to contact their ITU representatives explaining the benefit of VDES and especially the component of VDE SAT for the maritime community.**

##### Autonomous maritime radio devices (AMRD) (agenda item 1.9.1 (WRC 19))

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.

WP 5B continued the work on autonomous maritime radio devices (AMRD) and their technical and operational characteristics. Studies by WP 5B have shown that AIS (VHF Ch. AIS 1 and AIS 2) is used for applications other than those described or foreseen in Recommendations ITU-R M.1371 and ITU-R M.585. The WP 5B view is that this can create confusion for the navigator and VTS.

WP 5B finalised its definition on AMRD based on the results from the questionnaire on the distribution and the applications of such devices:

“An AMRD is a mobile station; operating at sea and transmitting independently of a ship station or a coast station. Two groups of AMRDs are identified:

* Group A: AMRDs that enhance the safety of navigation,
* Group B: AMRDs that do not enhance the safety of navigation (AMRDs which deliver signals or information which do not concern the vessel can distract or mislead the navigator and degrade the safety of navigation).”

**A liaison note to IMO and IALA was drafted on that issue.**

**IALA is invited to note the definition of AMRD in conjunction with and in distinction to its own definition of Mobile AtoNs.**

**IALA may consider informing IMO on the development of Mobile AtoN at the upcoming Joint IMO/ITU Expert Group meeting in July 2017 as AMRD will be a topic on the agenda of that meeting.**

##### New numbering scheme for unique identifiers for ARMD

**In connection with the development of AMRD a new numbering scheme for the identification of ARMD devices is required.** WP 5B continued the work towards a new report “New Maritime Numbers (NEW\_MARNUM). A preliminary plan foresees to add for Group A a new group of numbers to the existing maritime identifiers in Recommendation [ITU-R M.585-7](http://www.itu.int/rec/R-REC-M.585/en) and to define a different numbering scheme for Group B as those devices will use different frequencies.

**IALA is invited to note the work**

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

An input from China defining a new Message 28 for AMRD was received. The revision of ITU-R M.1371-5 is placed on hold to allow for further input, especially from IALA as announced in a former liaison note from IALA.

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

#### RELATED DOCUMENTS

* Liaison to IMO and IALA on AMRD (R15-WP5B-170522-TD-0117!!MSW-E)
* Preliminary draft new report AMRD (R15-WP5B-170522-TD-0120!!MSW-E )
* Preliminary draft new report NEW\_MARNUM (R15-WP5B-170522-TD-0121!!MSW-E)
* Preliminary draft new report VDE SAT (R15-WP5B-170522-TD-0122!!MSW-E)

#### IALA IS REQUESTED TO

**Note** the report on ITU-R WP5B **and the liaison note from ITU WP5B to IALA.**