

## IALA COUNCIL 68<sup>th</sup> session



11-14 December 2018  
IALA Headquarters

### 13 – INTERNATIONAL

#### 13.2 – ITU

##### 13.2.1. Report of ITU-R WP5B meeting

Note by the Secretariat

#### 1. 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 5th to 16th November 2018. IALA was represented by Mr. Stefan Bober, by kind permission of the German Federal Waterways and Shipping Authority.

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 following documents to ITU-R Working Party 5B (WP 5B):

- Liaison Note regarding agenda item 1.9.1 WRC-19 (AMRD).
- Liaison Note regarding agenda item 1.9.2 WRC-19 (VDE-SAT) including draft IALA position on WRC-19 agenda item 1.9.2
- Liaison Note regarding proposed agenda items for WRC-23
- Liaison Note on IALA Maritime Radio Communications Plan (MRCP)

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

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

WP 5B finalised working towards a Preliminary Draft New Report ITU-R M.[VDE-SAT] - Technical studies on the satellite component of the VHF data exchange system. The input documents of IALA and from others were incorporated into the document.

The Report was agreed by WP 5B, with reservations by the Russian Federation, and forwarded to ITU Study Group 5 (SG 5) for approval. This report provides a summary of why a VDE satellite component is required, identifies the spectrum requirements and provides technical description of the satellite component of VDES and the results of the appropriate sharing and compatibility studies.

ITU SG 5 approved the New Report ITU-R M.[VDE-SAT] with a note included from the Russian Federation during its meeting the week following the WP 5B meeting, Report ITU-R M.[VDE-SAT]. The Russian Federation raised an issue with section 6 which could not be resolved in WP 5B. Several administrations supported approval at this meeting of SG 5. The Chairman noted that Resolution 1 does allow the Study Group to approve the document when there is one administration objecting.



The Report ITU-R M.[VDE-SAT] will support the discussion at the Conference Preparatory Meeting (CPM). However the decision about the frequency assignment for VDE Satellite will be taken during WRC 19.

**IALA may consider to further develop IALA's position on the proposed solutions on VDE SAT for WRC-19 depending on the results of the CPM meeting in March 2019 and may select one method which IALA may recommend in the communication with its members.**

## **2.2. Autonomous maritime radio devices (AMRD) (agenda item 1.9.1 (WRC-19))**

WP 5B continued the work towards a new Draft Recommendation ITU-R M.[AMRD] defining autonomous maritime radio devices (AMRD) and their technical and operational characteristics. An AMRD is a mobile station operating at sea and transmitting independently of a ship station or a coast station. The input documents of IALA and from others were discussed and incorporated into the document as appropriate.

WP 5B clarified further the use of AMRD and its position compared to other transmitting stations like AIS AtoN, AIS SART, MOB AIS. From the spectrum regulatory point of view only Mobile AtoN station and MOB Class M (Man over Board device with DSC and AIS functions) are part of the AMRD Group A family. Already defined AIS AtoN station and AIS SART are in different equipment families. All other devices are considered as AMRD Group B (see Diagram of AMRD in the regulatory framework).

In this framework future amendments to Recommendations ITU-R M.1371 (AIS), ITU-R M.493 (DSC) and ITU-R M.585 (Identities in the maritime mobile service) are proposed to reflect the work on AMRD.

WP 5B continued the work towards a preliminary draft new Recommendation ITU-R M.[AMRD] and a preliminary draft new Report [AMRD].

**A liaison statement to IMO, CIRM and IALA on AMRD was drafted.**

**IALA is invited to contribute to the work on AMRD at ITU, especially on accepted applications of AMRDs Group A and their relationship to Mobile AtoN.**

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

WP5B continued working towards the revision of ITU-R M.1371-5 but will be carried on at the next meeting.

**A liaison statement to IALA on the revision of Rec ITU-R M.1371-5 was drafted.**

**IALA is invited to review the draft document with emphasis to the revision of Message 21 "Aids to Navigation report" and new Message 28 "Identification and position report for autonomous maritime radio devices" and Message 29 "Electronic Aid to Navigation (eAtoN) Report"**

## **2.4. Support modernisation of GMDSS – NAVDAT (agenda item 1.8 (WRC-19))**

WP5B continued working towards a preliminary draft new report [NAVDAT Guideline]

Navigation data (NAVDAT) system is a kind of digital system for broadcasting maritime safety and security related information from shore-to-ship. NAVDAT is counted as an enhancement of existing NAVTEX and could be considered as a potential entity in next generation of GMDSS.

**IALA may observe this development and inform their membership accordingly as appropriate.**

### 3. RELATED DOCUMENTS

- Liaison to IMO, CIRM and IALA on AMRD
- Diagram of AMRD in the regulatory framework
- WD Preliminary draft new Rec ITU-R M.[AMRD] and WD Preliminary draft new Report [AMRD]
- Liaison to IALA on revision of Rec ITU-R M.1371-5
- WD Preliminary draft revision of Recommendation ITU-R M.1371-5

### 4. IALA IS REQUESTED TO

**Note** the report on ITU-R WP5B