

DRAFT REPORT - GOTOMEETING**ENAV (WG3) – ARM REGARDING AMRD****1 GENERAL**

A GoToMeeting (GTM) between IALA ENAV WG3 and ARM Chair P Day was held on 19 July 2018. The meeting was held during the Yiwu ENAV WG3 intersessional meeting. Input documents for the meeting: R15-WP5B-C-05381N29!MSW-E Liaison to IMO and IALA on AMRD; R15-WP5B-C-05381N29!MSW-E PDNR AMRD and IALA Report of ITU-R WP5B meetings November 2017 and May 2018.

The meeting was attended by Michael Card, Minsu Jeon, Johnny Schultz, Stefan Bober, Jillian Carson-Jackson, Yoshi Miyadera, Hideki Noguchi, and Phil Day.

Commenté [JC1]: Please confirm

The agenda for the meeting included:

1. General – introduction / overview
2. Liaison note from ITU to IALA – content / key points
3. Process for response to the liaison note
4. Draft IALA document to provide guidance on AMRD

2 ITU LIAISON – CONTENT / KEY POINTS

S Bober introduced the liaison note and highlighted the activity on AMRD at ITU.

P Day noted the requests from ITU included a ‘definitive’ list of Group A AMRD, which is quite difficult to provide. In addition, in discussion, it was noted that there are existing standards and documentation for most of the items identified under Group A – i.e. AIS SART and MOB devices. It was also noted that the Group B AMRD would not be on AIS frequencies and would likely be within a closed loop communications system to meet specific requirements.

The input from IALA to ITU on the publication of IALA R1016 on MATON was noted. P Day referenced the flag for Virtual AtoN in the existing AIS message 21, noting that there could possibly be an opportunity to do something similar for MAToN. S Bober and J Schultz reviewed the standard and noted a possibility to include a MAToN flag in the message. It was agreed to investigate this further. It was noted that there would also be a requirement to confirm a suitable symbol for MAToN. If there is opportunity to include MAToN in the existing AIS message 21 there would be not no further requirement for a new MMSI for MAToN, but there may be a requirement for a revision to the existing AIS AtoN MMSI.

S Bober noted that the focus of the current draft recommendation for AMRD at ITU was not expected to be completed by WRC-19, but that the document provided the basis for the allocation of AMRD frequencies for Group B (justification document). It was agreed that the IALA ITU Briefing Note on AMRD matters would highlight a recommended method for the AMRD Group B spectrum allocation (frequencies).

S Bober will attend the upcoming IMO/ITU Expert Group, on behalf of IALA. H Noguchi is planning to attend the meeting and will keep the outcome of this GTM in mind. P Day will identify the appropriate UK representative and provide a brief on the outcomes of this GTM.

Points that were identified for further consideration:

- Display symbols
- Naming convention
- Need to guidance on use / deployment process (approval for AIS AtoN deployment example)
- Definition of Safety of Navigation - what is this – link to degree of risk / volume of traffic? (to focus what is an AMRD Group A)
- User requirement for AMRD (Group A and Group B)
- MMSI allocation / existing MMSI for AIS AtoN
- Limitations (1 W; height of 1 metre)
- Results of studies on AMRD (confirm calculations / intended ranges / interference with other systems / etc.)
- Other number for AMRD (Maritime Resource Number (MRN)?)
- AIS AtoN is not AMRD

Action – IALA ENAV WG3 to investigate possible means to include MAToN (a ‘MAtoN flag’) in existing AIS message 21 structure.

Action – IALA briefing note on AMRD to include a recommended method for AMRD Group B spectrum allocation.

3 ITU LIAISON – PROCESS FOR RESPONSE

The liaison from ITU regarding autonomous maritime radio devices (AMRD) was reviewed during the ENAV WG3 intersessional. It was noted that the response from IALA will require input from ENAV WG3 and ARM. A process to coordinate the input was agreed (and was included in the report of the IALA ENAV WG3 Yiwu Intersessional meeting):

- At ENAV 22, ENAV WG3 to finalise the technical input to the liaison and forward the document to ARM;
- ARM to provide the operational input and finalise the liaison to ITU
- IALA Secretariat to facilitate an electronic review process with IALA Council for the liaison, noting the ARM committee ends on 19 October 2018 and the deadline for input to ITU is 29 October 2018
- IALA Secretariat to forward the liaison from IALA on AMRD to ITU on or before 29 October 2018.

4 DRAFT IALA DOCUMENT ON AMRD

J Carson-Jackson noted that, following a presentation from Canada at the ESA/ESTEC seminar in January 2018 in the Netherlands, a draft IALA document to provide some technical and operational guidance on AMRD was commenced. The goal of the document was to provide an initial basis for further work by

the ARM Committee. The Yiwu ENAV WG3 intersessional meeting had carried out a review of the draft work from the ESA/ESTEC meeting. E Batty is compiling the results of the work and the resulting draft IALA AMRD document will be forwarded to ARM for review at their October 2018 meeting.

Action – as noted in the July2018-Yiwu intersessional meeting, J Carson-Jackson to ensure the draft IALA document on AMRD is forwarded to ARM for consideration at their October 2018 meeting.

5 CLOSE

J Carson-Jackson thanked all participants for their time and input, using the GTM process. P Day commented on the usefulness of the approach, and it was agreed that similar sessions could be held on matters of interest across committees.