

IALA COUNCIL 63rd session



13-16 December 2016
IALA Headquarters

11 – IALA TECHNICAL ACTIVITIES

11.1 – ARM

11.1.3 – Summary report of Workshop AIS AtoN (real and virtual) developments and their uses

Note by the Secretariat

1. INTRODUCTION

An IALA workshop on AIS AtoN (real and virtual) developments and their uses was hosted by the Korea Ministry of Oceans and Fisheries in Seoul, Republic of Korea from 19 to 21 October 2016.

The workshop was attended by 41 delegates, representing 21 countries, 25 national members, 4 associate members, 9 industrial members, and 3 observers.

The workshop was structured with presentations on relevant topics on the first day followed by working group sessions on day 2. Output work was reviewed and conclusions were agreed on day 3.

The full Workshop report is available from:

<http://www.iala-aism.org/product/workshop-ais-aton-real-virtual-developments-uses/>

2. WORK CARRIED OUT

After presentations were made in plenary the Workshop split into 3 working groups with the following objectives:

Working Group 1 - Virtual AIS and Novel uses:

- Inform and progress development of the guideline on use of Mobile Aton;
- Identify and record novel uses of AIS AtoN which require further ARM/ENAV/IALA consideration;
- Consider existing IALA documentation on Virtual AIS and identify and record where amendment or development is necessary.

Working Group 2 - Application Specific Messages and VDES uses:

- Inform and review development of VDES;
- Identify role of AIS AtoN in VDES, including potential use for VDES in relation to AtoN;
- Consider and record potential operational aspects of AIS AtoN within VDES concept.

Working Group 3 - Symbolology, Charting and Portrayal:

- Consider the adequacy of current symbolology and suggest appropriate amendments for IALA/IHO;
- Consider current charting of AIS AtoN and draw conclusions on where further development is required to inform IALA and IHO;
- Draw on attendees input to identify and record where portrayal development is required.



3. WORKSHOP OUTPUTS

The report with the conclusions forms the main output of the workshop and is forwarded to the ARM and ENAV Committees for further development and consideration.

Additional two draft working documents were developed for submission to the ARM and ENAV Committees to support future work on the development of AIS AtoN.

4. WORKSHOP CONCLUSIONS

The Workshop reached seven conclusions as follows:

1. In addition to the management level cooperation with IHO, there is a compelling need for the establishment of a work channel between IALA and IHO as a permanent arrangement.
2. There is a compelling need to inform mariners that deselecting AIS AtoN information on ECDIS navigation displays may compromise the safety of navigation.
3. A comprehensive review of all AIS documentation and consolidating into a single suite of documents similar to other IALA documents e.g. E200 series on marine signal lights is necessary.
4. There is an ongoing need for regular cross-discipline collaboration in and between committees for the effective development of technologies such as VDES.
5. Security issues should be taken into account in wider development of VDES and other technologies.
6. Further revision and development is required on the operational aspects of AIS AtoN.
7. There is a compelling need for IALA and ITU National Members to collaborate on the development of VDES.

5. THE COUNCIL IS REQUESTED TO

Note the successful completion of the IALA Workshop on AIS AtoN (real and virtual) developments and their uses.