

Input paper for PAP 33

Purpose of paper: Information

Agenda item

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Report on IALA Work in EfficienSea 2

1 INTRODUCTION

EfficienSea 2 is an EU funded Horizon 2020 Project led by DMA, with 32 partners, including IALA.

IALA leads Task 1.2 (Project/Test Bed Liaison) and Task 1.3 (Standardization) in EfficienSea 2. IALA also contributes to WP 2 (Communications - VDES) and WP 3 (Maritime Cloud).

The core work in Tasks 1.2 and 1.3 has been completed and Deliverables D1.4 and D1.5 accepted. The spread sheets on which the information is recorded are being kept updated and the current versions provided on the E2 website with links from the IALA website.

IALA has also completed its Work Plan for the second year of the Project, progressing work on VDES and Maritime Cloud documentation. The information generated will be provided on the website and as inputs to the ENAV Committee. The current Work Plan, for the third and final year of the Project, is attached to this report.

This work is carried out by a 'virtual team' of consultants around the World, coordinated by e-mail and teleconferencing. However, the team members do attend ENAV Committee and Working Group meetings, as appropriate, to present results and provide feedback.

2 IALA WORK PLAN

2.1 Deliverables

The deliverables from the second and third year work plans are listed below. These are marked as Draft so that they can be provided as inputs to the ENAV Committee whilst they are going through the EfficienSea 2 approval process

Deliverable	Description	Input to ENAV
Draft D 1.10	Strategy for Future Digital Communications	ENAV 20
Draft D 1.11	Report on Future Digital Communications	ENAV 20
Draft D 1.12	Structure of IALA Documentation on AIS & VDES	ENAV 20
Draft D 1.13	Technical Overview of VDES	ENAV 20 & 21
Draft D 1.14	Draft IEC Specification for VDES	ENAV 20
Draft D 1.15	Draft text on VDES for IALA Navguide	ENAV 20
Draft D 1.16	Report on Implementation, Validation and Demonstration of VDES Compatibility Test Bed	ENAV 21
Draft D 1.17	Review of VDES Test Results, New Test Plan and Revised Channel Model	ENAV20 & 21

Draft D 1.18	Updated website content on Standards and Test Beds	ENAV 20 & 21
Draft D 1.19	Presentation on Maritime Cloud	ENAV 21
Draft D 1.20	Standardization Plan for Maritime Cloud	Post ENAV 21
Draft D 1.21	Report of IALA Workshop on Maritime Cloud	Post ENAV 21
Draft D 1.22	Information Plan for VDES	ENAV 20
Draft D 1.23	Presentation on VDES	ENAV 20

2.2 IALA Website

It is important to make sure that the information produced is available to all interested parties. The spreadsheets containing the latest information are being posted on the IALA website, and draft standards will be posted as they are completed. Some redesign of the site is taking place to accommodate the new IALA Standards ahead of their approval in 2018. In particular, there will be links to websites of other organisations carrying e-navigation information.

2.3 Raising awareness

The case for VDES needs to be put to maritime and in particular, radio regulatory organizations. This is essential if problems with frequency allocations for the satellite component are to be overcome. The information plan for VDES (Draft D 1.22) will be particularly important in the lead up to WRC 2019 to help influence ITU delegations in favour of VDES-SAT.

A better understanding of the Maritime Cloud needs to be promoted in IMO circles and in other bodies. Presentations will be proposed at IMO, together with demonstrations, as the concept is converted into reality.

These tasks will be coordinated with the overall E2 Communications Strategy produced as part of WP1.

2.4 Workshops

As part of IALA's contribution to WP3 (Maritime Cloud) to support the development of system and user requirements, it is planned that IALA will host an international workshop in November 2017. This workshop will concentrate on the business model and governance of the MC, but will also provide background and consider security issues. A programme and flyer have been drafted by a Steering Group.

It is also proposed that IALA will organise a seminar early in March 2018 to increase awareness of the MC and encourage adoption. This will be one of the final events of EfficienSea 2.

2.5 Current Work Plan

The itemised plan for IALA E2 work in 2017-18 is attached as an annex to this report. Contracts have now been issued and agreed for this work.

3 ACTION REQUESTED OF THE PANEL

The PAP is invited to note this information.

ANNEX

PLAN FOR IALA EFFICIENSEA2 WORK IN 2017-18

1. Support IALA ENAV in drafting a future digital communications strategy (taking into account the IMO review of GMDSS) using the document produced in the current work plan;
2. Assist IALA ENAV in consolidation of existing IALA documentation relating to AIS with that being introduced for VDES, using the documentation structure developed in the current work plan;
3. Carry out revision of the overview document for VDES developed in the current work plan, as required by ENAV;
4. Continue to support preparation of draft standards for VDES in IEC, based on existing ITU-R and IMO documentation;
5. Implement the Information Plan developed in the current work plan for inter-committee aspects of VDES; finalise input on VDES for IALA Aids to Navigation Guide and IALA VTS Manuals;
6. Assist IALA Members, with draft briefings and presentations, to follow up current approaches in ITU-R, raising the level of understanding of VDES and its significance;
7. Implement, validate and report on VDES compatibility test bed and provide demonstrations;
8. Finalise an information document and presentation on the Maritime Cloud, for use at IMO MSC and other meetings and arrange demonstrations;
9. Support implementation of a plan developed for standardisation of the Maritime Cloud;
10. Provide updated IALA website content on standards and test beds, using information gathered in the E2 databases.
11. Support organization of workshop(s) on Maritime Cloud