 Input paper: ENAV17-10.5.1

Input paper for the following Committee(s): check as appropriate Purpose of paper:

**□** ARM **□** ENG **□** PAP **X** Input

**X** ENAV **□** VTS **X** Information

Agenda item [[1]](#footnote-1) ENAV-17 9

Technical Domain / Task Number ENAV - TD#4. Task 4.1.1

Author(s) / Submitter(s) ACCSEAS Project North Sea Area  
 on behalf of the participating organisations, Alwyn Williams (UK)

ACCSEAS Project Service Description and S-100 Product Description Documents

# Summary

The EU Interreg IV/B project ACCSEAS ended successfully with the 3rd Annual ACCSEAS Conference in February 2015 in Rotterdam (NL).

The project focussed over a period of 3 years (2012-2015) on regional accessibility and safety of navigation issues, studied the developments on short and long term as a result of the foreseen decrease of manoeuvrable space (increasing intensity and diversity of shipping, scale enlargement and alternative utilization of the sea - e.g. windfarms), its effects on shipping routes and eventual consequences for competent authorities responsible for the management of shipping from shore, as well as the development of potential candidate services and applications under the flag of the e-navigation concept (taking into account relevant IMO developments and decisions, IALA’s Strategy, Recommendations and Guidelines).

The ACCSEAS project partnership consisted of eleven organizations in Denmark, Germany, Netherlands, Norway, Sweden and the UK:

* General Lighthouse Authorities, United Kingdom
* Chalmers University of Technology, Sweden
* Danish Maritime Authority, Denmark
* Federal Waterways & Shipping Administration, Germany
* Rijkswaterstaat, Ministry Infrastructure & the Environment, Netherlands
* Swedish Maritime Administration, Sweden
* Norwegian Coastal Administration, Norway
* SSPA Sweden
* Flensburg University of Applied Science, Germany
* NHL Hogeschool, Leeuwarden, Maritime Institute Willem Barentsz, Netherlands
* World Maritime University, Sweden

ACCSEAS, in its capacity as a regional testbed, developed and/or tested and demonstrated candidate e-navigation solutions and services, such as

* Maritime Cloud
* Maritime Safety Information / Notice to Mariners Service
* Multi-Source Positioning Service
* No-Go Area Service
* Tactical Exchange of Intended Routes
* Tactical Route Suggestion
* Vessel Operations Co-ordination Tool
* Inter-VTS Exchange Format

ACCSEAS delivered a number of Reports, some of which are attached to this document.

## Purpose of the documents

* To disseminate the technical descriptions of the services tested in the ACCSEAS project. The Service Descriptions documents cover the subjects of:
  + Maritime Cloud
  + Maritime Safety Information/Notice to Mariners Service
  + Multi-Source Positioning Service
  + No-Go Area Service
  + Tactical Exchange of Intended Routes
  + Tactical Route Suggestion
  + Vessel Operations Co-ordination Tool
  + Inter-VTS Exchange Format
* To disseminate S-100 Product Description on Maritime Safety Information/Notice to Mariners Service.
* To disseminate the outcome of the ACCSEAS project to the international organizations involved in the development and implementation of the e-navigation concept;
* To inform the IALA Committees and its members concerning work and the Legacy of the ACCSEAS project;
* IALA members to benefit from the results, conclusion and recommendations of ACCSEAS as an example of a regional approach towards the further development and implementation of   
  e-navigation as a concept and potential candidate solutions, services and applications;
* To contribute substantially to the work of IALA in general and to the fulfilment of the IALA Committee Working Programs specifically.

## Related documents

# All related ACCSEAS reports and documents (published on [www.accseas.eu](http://www.accseas.eu)).

# References

1. IALA Strategy 2014-2026
2. ENAV Committee Working Programme 2014-2018
3. IALA Strategy Paper on the future delivery of VTS in a rapidly changing domain (approved C60)
4. IMO Strategic Implementation Plan (SIP) for e-navigation
5. IMO MSC/95/22 and Annexes 17 and 22

# Action requested of the Committees

The **ENAV Committee** is requested to:

1. note and study the ACCSEAS documents as they relate to the work of the Committee;
2. consider the inclusion of the outcomes into future international standards for the development of e-Navigation;

1. Leave open if uncertain [↑](#footnote-ref-1)