 Input paper: ENAV17-10.4.1

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

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

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

Agenda item [[1]](#footnote-1) ENAV-17 agenda items 10

VTS-40 agenda items xx

ARM- agenda items xx

Technical Domain / Task Number ENAV - TD4

VTS - xx

ARM - xx

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

ACCSEAS Project Output Reports

# 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:
  + e-Navigation architecture used in the ACCSEAS project (ACCSEAS e-Navigation Architecture Report);
  + Route Topology Model developed for the North Sea Region (ACCSEAS Route Topology Model Report);
  + Training needs and education requirements for e-Navigation (ACCSEAS Training Needs Analysis Report);
  + Summary and feedback on the e-Navigation demonstrations carried out during the project (ACCSEAS Final Report);
  + Summary of the final ACCSEAS conference (ACCSEAS Final Conference Report).
* 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

# ACCSEAS Legacy Report, including a sustainable plan for future Work;

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

# Action requested of the Committees

The **ENAV, VTS and ARM Committees** are 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 in the development of e-Navigation

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