

Paper for Consideration by NIPWG

[Outcome of EU-project EffienSea2]

Submitted by:	Sweden
Executive Summary:	Information paper regarding the finalisation of the e-navigation project EffienSea2
Related Documents:	See more at https://effiensea2.org
Related Projects:	STM Validation project, SMART project

Introduction / Background

EffienSea2 is a e-Navigation project that have received funding from European Union's Horizon 2020 research and innovation programme. It is a continuation of the Aceas projects and EffienSea project.

EffienSea2 is a flagship project in the EU Strategy for the Baltic Sea Region. It is focused on the Baltic Sea and Arctic waters, but is paving the way for a global roll-out of e-Navigation solutions.

EffienSea2 is about getting connected and the main result from the project is the MCP – *Maritime Connectivity Platform* (former called the Maritime Cloud).

The MCP is a communication framework that enables efficient, secure and reliable information exchange in and around the maritime sector.

EffienSea2 has worked with advanced services and services of special relevance to the Arctic waters. The project has also looked at different e-navigation services with the aim to provide services as part of the IMO e-navigation framework. This has been done with focus on the Baltic sea area but the solutions can be used globally since the aim has been to provide services according to IHO S100 data models.

Analysis/Discussion

The MCP may be the key to secure information exchange in the future of navigation. It includes services from authorities as well as from other, trusted, service providers.

Regarding the IHO S100 data models, an early version of S-124 (Navigational warnings) have been tested within the NIORD-system. (Nautical Information Directory)

Conclusions

Projects are, even if they cover a limited geographical area or limited information area, important for the future of navigation. They are perfect testbeds that may open our minds to new ways of thinking and we can learn a lot from their outcome.

Recommendations

NIPWG should continue to monitor e-navigation projects and their outcome.

Action Required of NIPWG

The NIPWG is invited to:

- a. note this paper