



6th SSN LRIT Group Meeting

Interoperability Project

Agenda item 6.6.1

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Action grant

Promotion of interoperability between industry and competent authorities in the European Maritime Single Window (EMSW) environment under the CISE Process

Action grant from DG MARE

Action 1.2.1.4 of European Maritime and Fisheries Fund's work programme for 2018 - Commission Implementing Decision C(2017)8146

Grant agreement signed September 2018

Duration: 3 years

Objectives

1. Enabling a more efficient data exchange and sharing regarding port documentation between the different authorities of Member States using SSN, including exchange of cargo information
2. Enhancing connectivity between all relevant authorities and end-users in the different Member States
3. Specific interoperability activities contributing to the development of an EMSW environment
4. Improving information exchange ship-to-shore using VHF Data Exchange-satellite (VDE-SAT) communications

On-going projects

1. **Facilitation of ship-shore reporting**
2. **Ship-to-shore information exchange using VDE-SAT**
3. **Security and interoperability study for SSN**
4. **EMSWe data model study**
5. **Enhanced ship database services**

Facilitation of ship-shore reporting

Test technical solutions to re-use information already available in the SSN Ecosystem to improve coastal stations' awareness of their areas of control and minimise reporting burden for ships in MRS/VTs areas

14 participating countries: BE, DE, DK, EE, FI, FR, HR, IT, LV, NL, NO, PL, RO, SE

- ✓ Kick-off meeting with MS held on 3 April
- ✓ 2nd meeting with MS held on 25 September
- ✓ Revised concept paper sent to participants on 18 Oct
- ✓ First prototype developed
- ✓ Agreement to establish a connection with STM to make voyage plans available

✓	January to October 2019	Define business and technical concept
	June to November 2019	Draft the system requirements
	December 2019 to May 2020	Develop the technical solution
	May to June 2020	Prepare operational tests with Authorities and Industry, deploy solution to coastal stations
	June to July 2020	Test the concept with Authorities and Industry
	July to December 2020	Assess the test results and produce the project's report

Ship-to-shore information exchange using VDE-SAT



Set up a message processing and exchange platform which will receive reports from ships through VDE-SAT communications or Internet and distribute them to the relevant authorities of the Member States

Pilot project in collaboration with ESA and Norway

Use cases:

- Reporting of MRS and VTS data
- Reporting of operational voyage data

✓ ESA-NO project kicked off on 6 September

✓	September 2019	Project kick-off with Norway and ESA
	Sept 2019 - July 2020	Service requirements and design
	Aug 2020 – Sept 2021	System implementation
	May 2021 – June 2021	Service demonstration

Security and interoperability study for SSN

Define security and interoperability solutions for SSN in the perspective of future developments: exchange of PAX data and of EMSWe data

- ✓ Contract signed in June 2019
- ✓ Task 1 report delivered - identification and definition of security measures to be applied in SSN
- ✓ Task 2 report delivered - technical analysis of the existing SSN system
- ✓ Task 3 report ongoing - assessment of implementation options for SSN
- ✓ Task 4 planned - Elaboration of the technical specifications for the implementation in the Central SSN system

✓	June 2019	Kick-off Meeting
✓	August 2019	Delivery of Task 1 and Task 2 initial reports
✓	October 2019	Acceptance of Task 1 and Task 2 reports
	November 2019	Delivery of Task 3 initial report Delivery of Task 4 initial report
	December 2019	Acceptance of Task 3 and Task 4 reports Delivery of the study report, with SSN Security Guidelines updated

EMSWe Data Model study

Define EMSWe data model for Parts A and B formalities, business processes and data to be exchanged via SSN

Based on Commission's expertise. Industry may be involved

Will be given to Commission as input for the definition of the EMSWe dataset

✓ Contract signed 22 October

✓	October 2019	Kick-off study
	January 2020	Report on definition of the EMSWe dataset and data model
	January 2020	Report on analysis and description of business processes
	February 2020	Report on analysis of SSN data exchanges
	March 2020	Final report

Enhanced ship database services

Further develop EMSA's central ship database services and promote their use by the Member States

11 MS participating: DE, EE, FI, FR, HR, IT, LV, NL, NO, RO, SE

✓ First meeting with MS held on 27 June 2019

✓	June 2019	Define user requirements
	June to November 2019	Draft system requirements
	February to May 2020	Design and develop the technical solution
	May to July 2020	Prepare operational tests, deploy the solution, integrate with MS systems
	July to September 2020	Test the CSD services with MS
	September to December 2020	Assess the test results and produce the project's report



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