



5th ABM Workshop

ABM use for interoperability project

Agenda item 2

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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



- 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 to shore reporting

Set up



On 21 November 2018, EMSA sent to the directors of maritime administrations of the EU Member States and of EEA Countries an invitation letter to participate in a pilot project for the facilitation of ship to shore reporting.

Belgium, Croatia, Denmark, Estonia, Finland, France, Germany, Italy, Latvia, the Netherlands, Norway, Poland, Romania and Sweden decided to participate in this pilot project.

Facilitation of ship to shore reporting

Objective



The objective of the pilot project is to test technical solutions to re-use information already available in the SSN Ecosystem to:

- Minimise reporting burden for MRS and VTS by combining and reusing information from the SSN Ecosystem.
- Improve coastal stations' awareness in their areas of control.

Facilitation of ship to shore reporting

Concept



The project foresees:

- development of a technical solution that will use and expand the existing services of the SSN Ecosystem.
- establishment of a common “Integrated Ship Report- ISR” built by integrating information currently available in the SSN Ecosystem.
- distribution of this report to the relevant coastal stations via different channels (system to system, web interface, email).

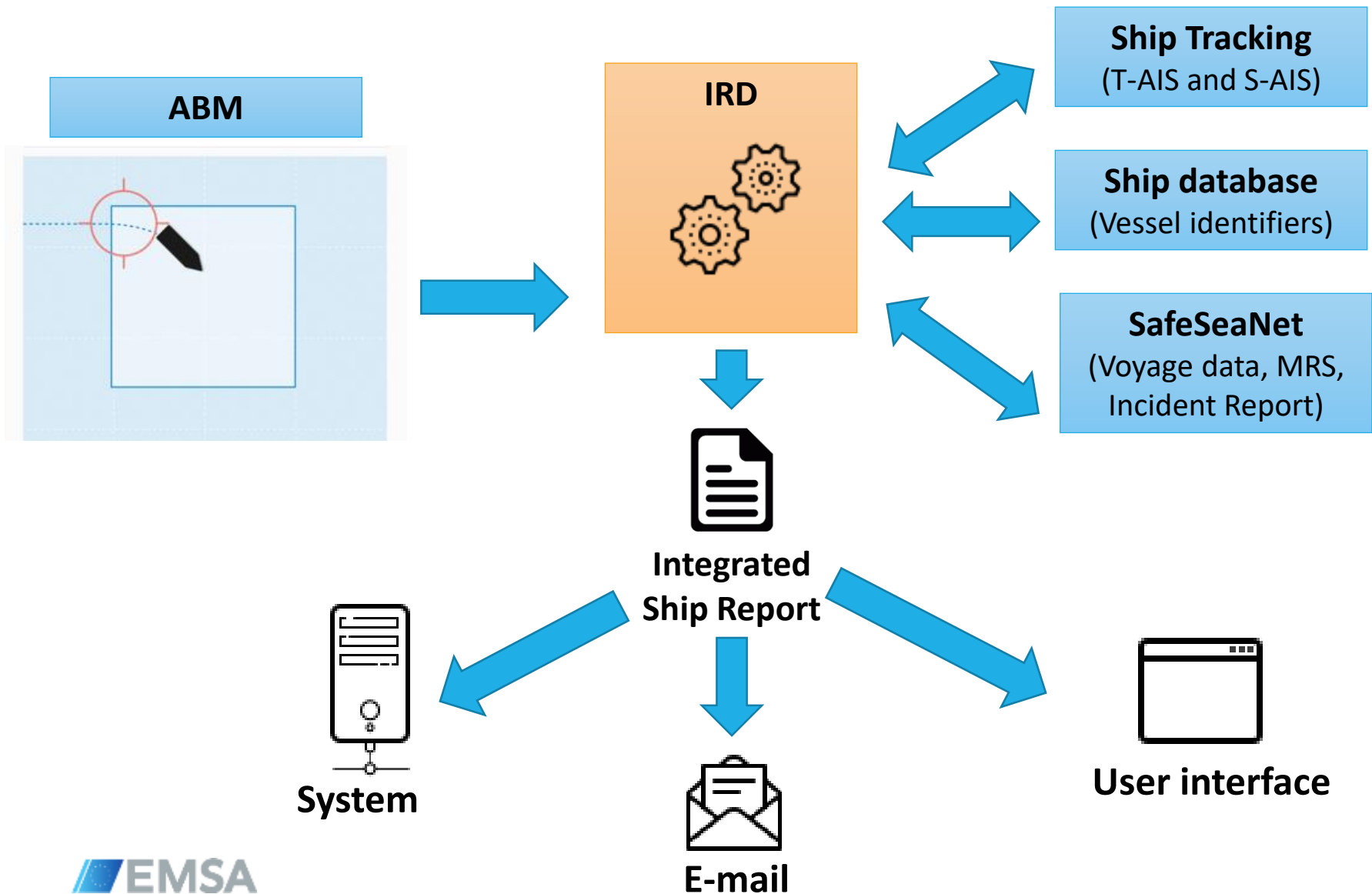


The following tasks are planned:

1. Define the content of the ISR.
2. Develop the technical solution to build the ISR.
3. Develop the technical solution to distribute the ISR to MSs authorities.
4. Operational tests.
5. Final report.

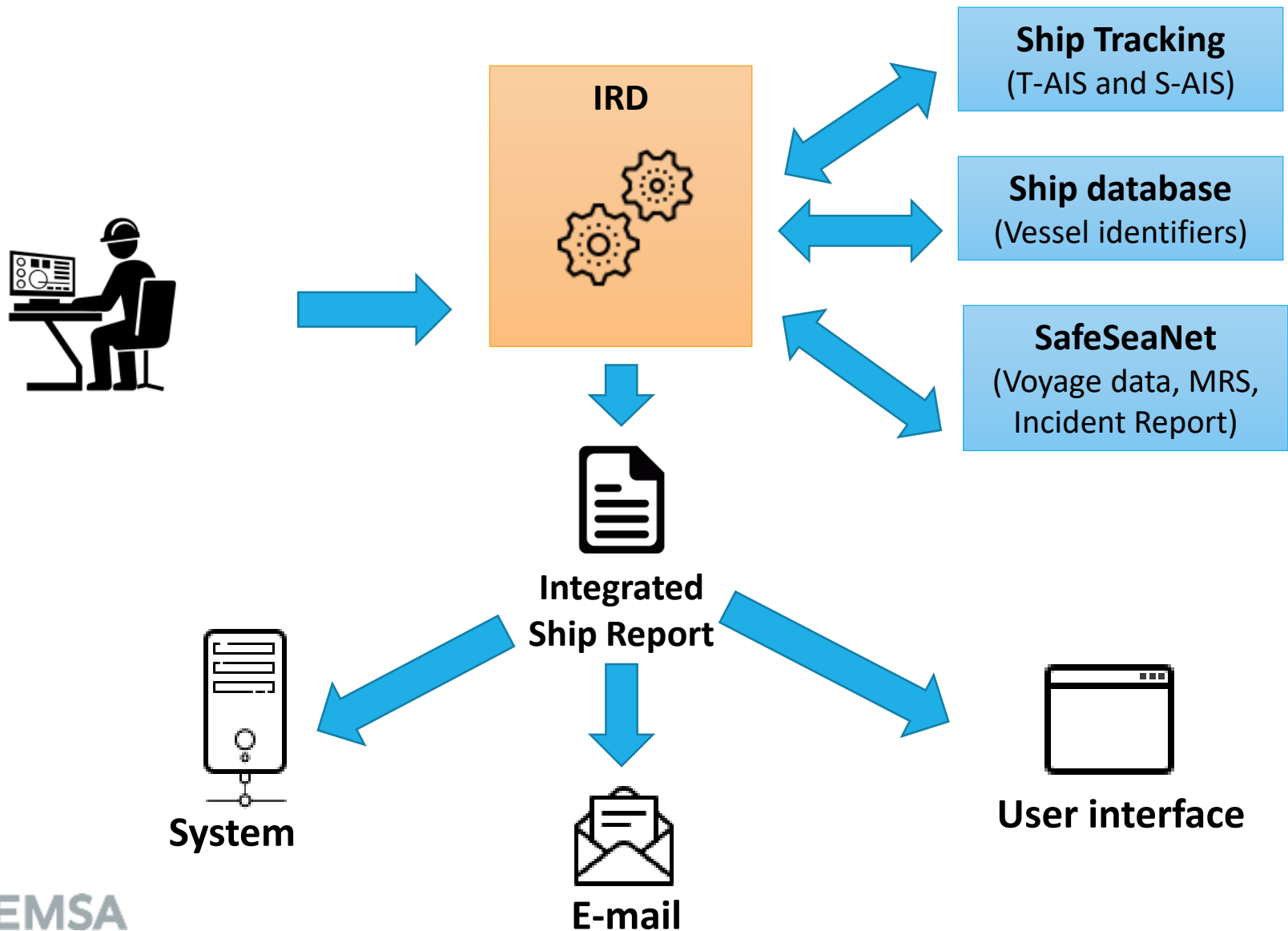
Distribution of Integrated Ship Report (ISR)

Use case 1 – Entry to an area of interest (ABM)



Distribution of Integrated Ship Report (ISR)

Use case 2 – Ad-hoc request





Integrated Report Distribution prototype presentation

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Proposals for ABM



Member States participating in the pilot project for the facilitation of ship to shore reporting proposed during the last meeting the following changes/improvements to ABM service:

- To have possibility to trigger ABM alerts for ships carrying HAZMAT only;
- To implement as a trigger crossing of a specific line and not only entry into an area.

In addition, **EMSA was tasked** to investigate if ABM service could be used for an automatic detection of ship's calls to ports worldwide.

Expected schedule



January 2019 to October 2019	Define the content of the Integrated Ship Report and the distribution method.
June 2019 to November 2019	Draft the system requirements.
December 2019 to May 2020	Develop the technical solution.
May 2020 to June 2020	Prepare operational tests with Authorities and Industry and deploy solution to coastal stations.
June 2020 – July 2020	Test the concept with Authorities and Industry.
July 2020 – December 2020	Assess the test results and produce the project report.



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