

Meeting: Pilot project on “Facilitation of ship to shore reporting” – 3rd meeting

Place and date: Video conference, 23 June 2020

Agenda item: Integrated Report Distribution (IRD) version 2 – changes and planning

Document number: 3.3

Submitted by EMSA

Summary	The document presents the changes foreseen in the Integrated Report Distribution (IRD) system and timing for its implementation.
Action to be taken	As per paragraph 4.
Related documents	2 nd meeting of the pilot project for the Facilitation of ship to shore reporting – minutes of the meeting

1 Background

On 21 November 2018, EMSA sent a letter to the directors of maritime administrations of the EU Member States and of EEA Countries to participate in a pilot project for the facilitation of ship to shore reporting¹. This pilot project aims at developing and testing solutions to facilitate the reporting procedures from ship to shore and improve the coastal stations' situation awareness.

For the purpose of this project, a new “Integrated Reports Distribution” (IRD) service has been developed and is being tested with the participating MS. The IRD service uses existing services from the SSN Ecosystem such as EIS, OVR, STAR-ABM and STAR-TRACKING to prepare and distribute to Member States' coastal stations reports on ships sailing in their areas of interest.

The first version of the IRD aimed at testing connections between the IRD and various back-end services (SSN EIS, STAR ABM and STAR Tracking) to prove that the IRD can retrieve, process and integrate data coming from different sources into a single report. The first version was deployed in July 2019 and is available to Member States participating in the project.

At the 2nd meeting of the Pilot Project for the Facilitation of Ship to Shore Reporting that took place on 25 September 2019, the project participants agreed that EMSA will further work on the IRD to reflect the comments received during the meeting and to build system-to-system connections with national systems.

2 Current status

Following the 2nd meeting EMSA worked on the technical specification for the IRD version 2 and signed the contract for its development in February 2020.

¹ The pilot project is executed under the EMSA “Interoperability Project” which was set up to execute action 1.2.1.4 of the EMFF work programme 2018 for “Promotion of interoperability between industry and competent authorities in the European Maritime Single Window (EMSW) environment under the CISE Process”.

The following features were contracted for the second version of the IRD:

- a. The Integrated Ship Reports (ISR) will be made available through system to system interface and e-mail, in addition to the current web user interface.
- b. The number of distribution services will increase. The first release was mainly tested internally in EMSA. In phase two, operational tests with Member States are planned. All ABMs will still be configured by EMSA staff directly in STAR-ABM.
- c. IRD will be connected to new sources of information. Apart from STAR-TRACKING (T-AIS and S-AIS data) and SSN-EIS (voyage, MRS and Incident Reports data) which are already connected, the IRD will connect to the Operational Vessel Registry (OVR) to get vessel particulars and to the Voyage Information Service (VIS) to retrieve information about Voyage Plans from the ships participating in the STM project.
- d. The content of the ISR will be upgraded as agreed with the project participants (please refer to the ISR content document).
- e. ISRs are currently triggered automatically at entry and exits from areas or manually upon request. It will be also possible to receive updated ISR for vessels being in area at specific time intervals (e.g. every 30 minutes) or when specified information is updated (e.g. new S-AIS position, IR provided, etc.).
- f. The users having access to the details of Hazmat, Waste, Security, Bunkers, MRS or Incident Reports notifications will be able to request them via the IRD web user interface.
- g. The end-user interface will be improved to address issues detected during phase 1 and feedback received from the participating Member States.

The IRD will offer the following services for system to system communication:

- **Push ISR:** This service is used by the IRD to “push” to a Member State system, which has been configured under a distribution service of IRD, ISR messages when certain events occur (e.g. entry into area). The trigger for this service is an event or list of events previously configured under the distribution service.
- **Request / Response:** This service is used to request an ISR for a specific ship and a specific distribution service. The trigger for this service is an ISR Request message submitted by an external system. The resulting ISR is communicated through the Push ISR service.

The System Interface Guide (SIG) for the Integrated Report Distribution can be found in the Annex. It describes the system to system interface of the Integrated Report Distribution (IRD) system and serves as a reference for all technical aspects related to the implementation of this interface. Based on this information Member States willing to implement system to system communication may already start preparing their system to establish connection with the IRD.

3 Planning for IRD version 2

The kick-off meeting took place on 20 February 2020.

The IRD version 2 is under development since April and it is expected to have it available for Member State operational tests at the beginning of October 2020. More details can be found on the graph below:

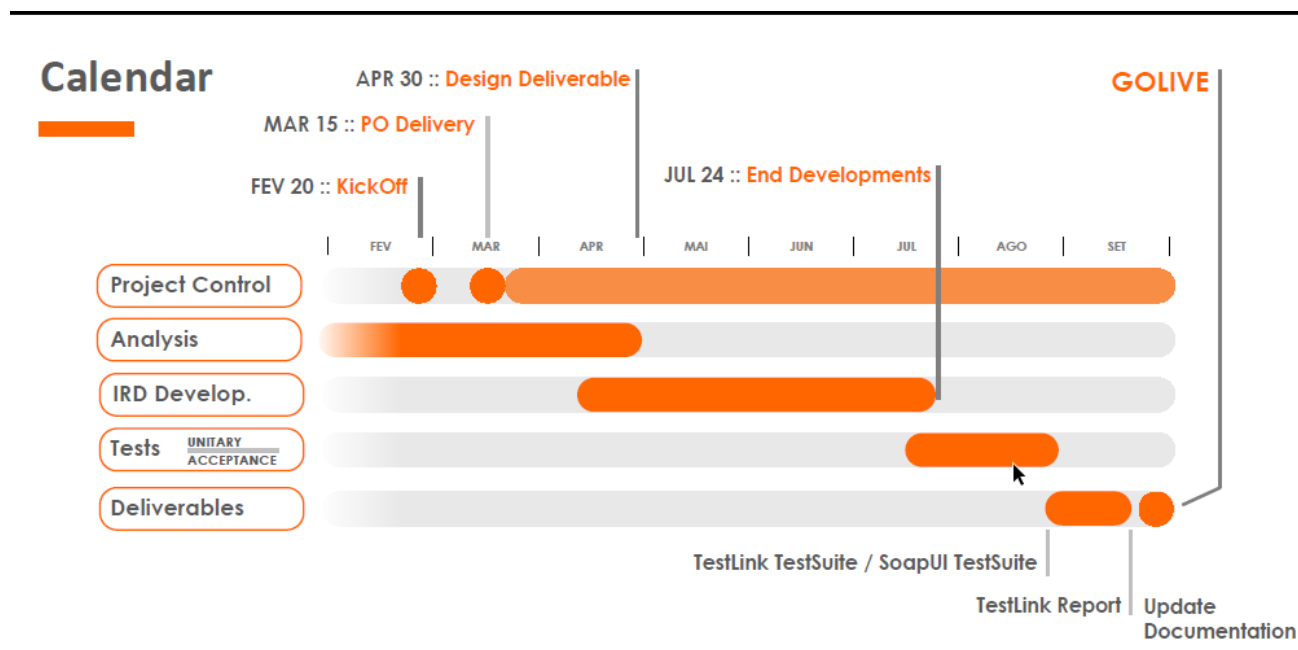


Figure 1: IRD version 2 – Project calendar.

4 Actions required

Member States are invited to note information provided and those willing to establish system to system communication to review System Interface Guide document (in Annex) with their contractor and provide questions or comments to this document.