

Meeting: 15th IMS Group User Consultation Meeting (UCM#15)

Place and date: Lisbon, 22 October 2020

Agenda item: 3 – Update on SEG & IMS Mobile App

Document number: IMS 15.3

Submitted by EMSA

Summary	This paper provides the state-of-play of the: SSN Ecosystem Graphical User Interface (SEG) and IMS Mobile App
Action to be taken	As per Section 4
Related documents	N/A

1. Background

EMSA has developed a new single GUI serving the following maritime applications: SafeSeaNet (SSN), Integrated Maritime Services (IMS), CleanSeaNet (CSN) and LRIT Cooperative Data Centre (LRIT CDC). Named SEG (SafeSeaNet Ecosystem GUI), this common user interface serves diverse maritime functions and cover the needs of different user domains.

This document aims at providing the SEG current state-of-play and next phases and to update the group on the IMS Mobile App.

2. SEG

SEG releases

SEG version 1.0 is live for all IMS Member State users since the 7th of April 2017. Currently in version 1.10, the SEG has been made available to all IMS for Member State users since July 2017, with the following major releases:

- Version 1.1 – May 2017
- Version 1.2 – June 2017
- Version 1.3 – September 2017
- Version 1.4 – December 2017
- Version 1.5 – April 2018

- Version 1.6 – May 2018
- Version 1.7 – September 2018
- Version 1.8 – March 2019
- Version 1.9 – August 2019
- Version 1.10 – May 2020

The major changes introduced by SEG 1.10 (see more details in SEG release note sent on 18 June 2020) have been the following:

Horizontal:

- Bunker information available in the Commanded and Info (C&I) window
- Ship static and voyage related data transmitted in AIS message type 5 displayed in the Vessel C&I panel (by clicking 'See AIS Voyage Info').
- Central Geographical Database: new areas for EUNAVFOR, Member States and EFCA
- Possibility for designated users to launch a VDS re-correlation

CleanSeaNet:

- Significant improvements to the feedback for both oil spills and EO acquisitions

Bugs:

- Around 220 issues were corrected with this release.

The following major releases are planned:

- Version 1.11 – Q1 2021
- Version 1.12 – Q1 2021

The envisaged changes to be included for these releases are the following:

SEG 1.11 main features

- TTT improvements (selection/interaction using the TTT, Speed profile etc..)
- Preset modes (ability to define workspace settings per operation)
- Display of new Earth Observation products and attributes; Feature Detection Service (FDS) , Enriched Vessel Service (EVS), Enriched Feature Service (EFS), Wake Detection Service (WDS)
- Aproximate distance calculation – for a selected ship travelled inside and outside of the SECA area.

SEG 1.12

- Reporting of Potential oil pollution sightings
- Display of Voyage plans from Sea Traffic Management.

Future developments

An important SEG future development will be the implementation of a new service for displaying the last positions (Real Time Maritime Picture Service - RTMPS). This is expected to improve the performance and will allow to remove the cluster (technology using OGC web services such as Web Map and Web Feature Services).

Training

The training activities for the IMS for Member States and EU Bodies were conducted solely online, due to pandemic situation.

- There were 24 webinars organized for the IMS for MS authorities and EU Bodies (EUNAVFOR, EUROPOL).
- They covered various topics, ranging from basic IMS/SEG functionalities to specialized tools (Enhanced SARSURPIC, ABMs).
- Altogether , over 115 persons participated in these training activities.

The above metrics include also the dedicated ABM sessions, as reported in the document IMS 15.2.

Additional training sessions on the use of IMS/SEG/ABMs/ Mobile App will be scheduled and published on EMSA web site. Please consult EMSA web page: <https://extranet.emsa.europa.eu/e-register/events> .

3. IMS Mobile App

The IMS app is a 'light' (simplified) version of the SafeSeaNet Ecosystem Graphical User Interface (SEG) for mobile devices. Only registered IMS users from member state authorities and EU agencies have access to the IMS app. IMS Member State PoC and National Administrators manage access to the app via a dedicated profile (Access IMS Mobile App) in the Identity Management - IDM.

The IMS Mobile App currently available in the App Store (for iOS) and Google Store (for Android) is version 2.7.5. The next generation of the IMS Mobile App – so called, version 3.0 (planned for 2020/2021) - is going to gradually incorporate the functionalities and developments identified by Member States during the dedicated UCM#11 parallel session (see Annex A).

Since the IMS UCM, on request of the IMS users, a new IMS Mobile app training materials have been produced. The new IMS Mobile App leaflet, covering the wlatthrough the main functionalities as well as the dedicated video on the usage of the app, are both available on the EMSA's web page.

4. Action Required

IMS Member States are invited to take note of the above information and provide feedback on new functionality requirements and their priorities.

Annex A – IMS Mobile App Future Developments

- **Port data**
 - Add location of the ports and port timetables (expected arrivals, ships in port, recent departures) similarly to the SEG (desktop GI) functionality.
- **Modify 'Search' functionality to allow:**
 - Search for ports;
 - Search for the last known position of the vessel (> 24hrs).
- **Modify – Vessel Track Query to:**
 - Increase available time period to 72 hours.
- **Modify the 'Advanced' search functionality to allow search:**
 - by 'Flag' attribute;
 - by IMO
 - by multiple attributes.
- **Add a 'Place mark' functionality to:**
 - Allow user to display specific place by entering LAT and LONG values;
 - Allow user to drop and save a 'place mark' in a specific geographical location.
- **Modify 'clustering'**
 - Remove 'clustering' function and limit the available scales/ zooming capabilities or consider adding 'Google' alike clustering.
- **Layers, filtering**
 - Add filtering by 'size' and 'tonnage' of the vessels.
 - Add filtering by 'Navigational Status'.
 - Add filtering of 'My vessels' on the global scale
- **Special symbols for vessels**
 - Add special symbol for vessels with 'Navigational Status' Not Under command (NUC).
- **Dead reckoning**
 - Add speed vector/ predicted positions for selected ships.

- **Push notifications**
 - Add 'Push notifications' for the ABM alerts, at the same time allowing users to deactivate them.
- **Measuring tool**
 - Consider adding a simple 'measuring tool' in the App.
- **EO Derived Data**
 - Provide VDS products in the Mobile App.