

# Update on SEG & IMS Mobile App

**IMS UCM 18.3**

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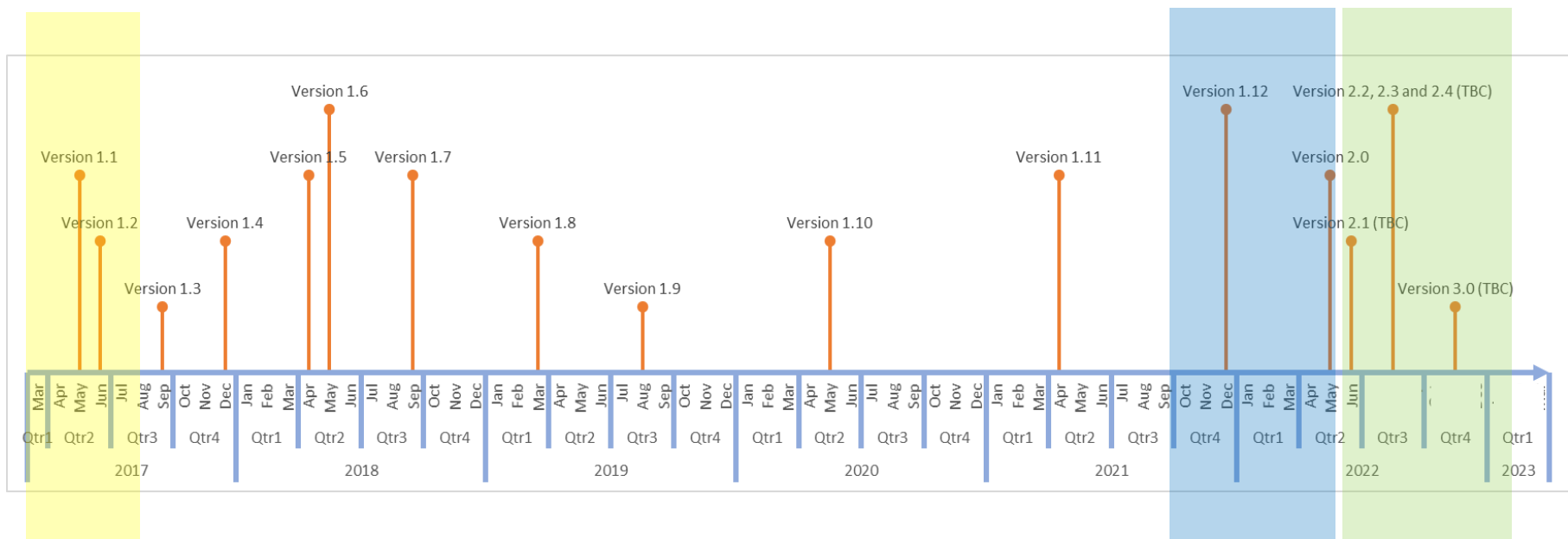
Maritime Digital Services  
Digital Services and Simplification

Lisbon, 25.05.2021



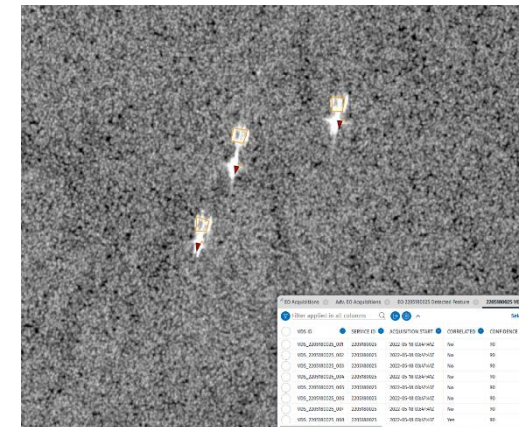
# SEG Version History

- In July 2017 SafeSeaNet Ecosystem GUI (SEG) has been made available to all IMS for Member State users, but the initial version – v1.1, was deployed in production 3 months before (April 2017)
- Current version – v.2.0, was deployed in May 2022, and 3 new deployments are scheduled until the end of 2022



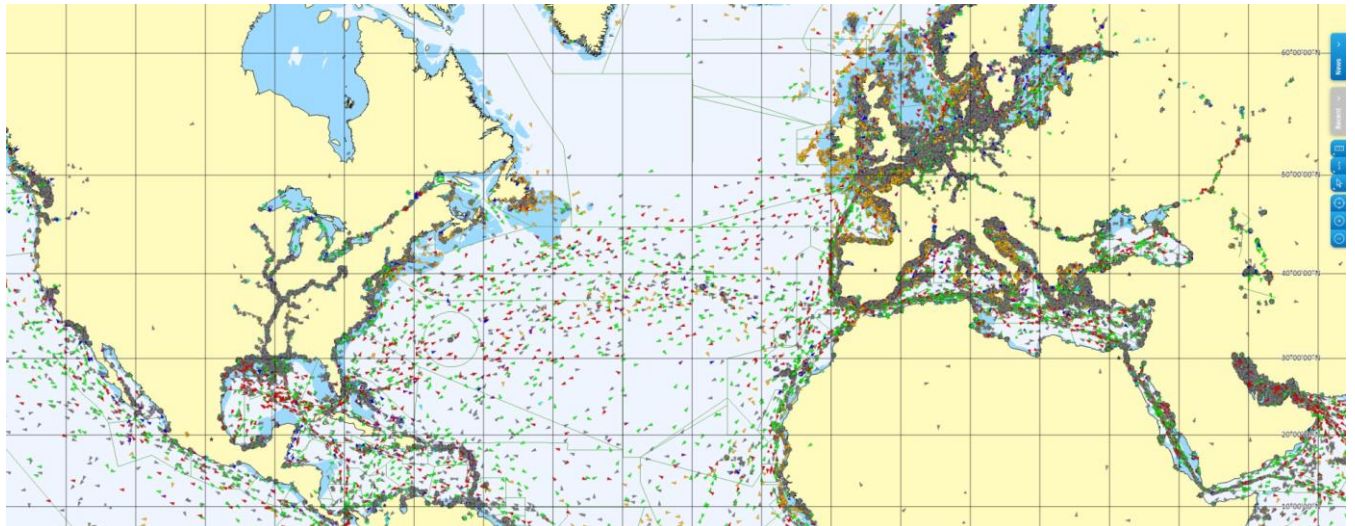
# Recent SEG Deployments

- SEG v.1.2 – deployed in December 2021, introduced the following changes :
  - New EO Value Added Products (VAP):
    - Feature Detection Service
    - Change Detection Service
    - Wake Detection Service
  - Sea Traffic Management (STM) project voyage plan information:
    - Availability of STM voyage plan information
    - Possibility to retrieve voyage plans and display them in SEG (access rights applies).
  - Correction of 12 defects



# Recent SEG Deployments

- In May 2022, the deployment of SEG v.2.0 enabled the following new functionalities:
  - Interface related changes:
    - Real Time Maritime Picture Service (RTMPS)
    - Improvements in the Favourites, Filter and Navigation functionalities
  - Correction of 27 previously detected/reported defects



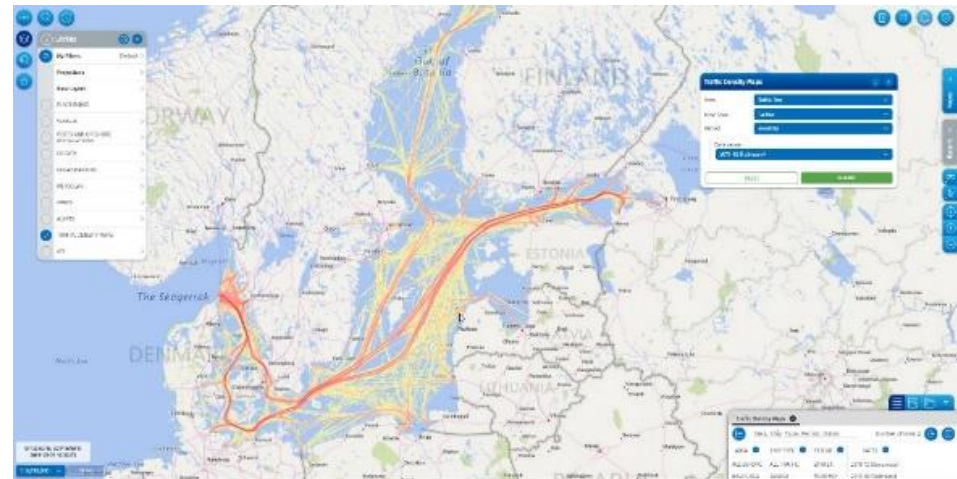
Detailed content of SEG v.2.0 is described in the release notes distributed 13 May 2022

- Three deployments are scheduled until mid-2021. The envisaged changes to be included are the following:

## 2<sup>nd</sup> Quarter 2022

### ➤ Version 2.1

- Favourite's improvements and new functionalities
- Changes in internal s2s interface with EODC





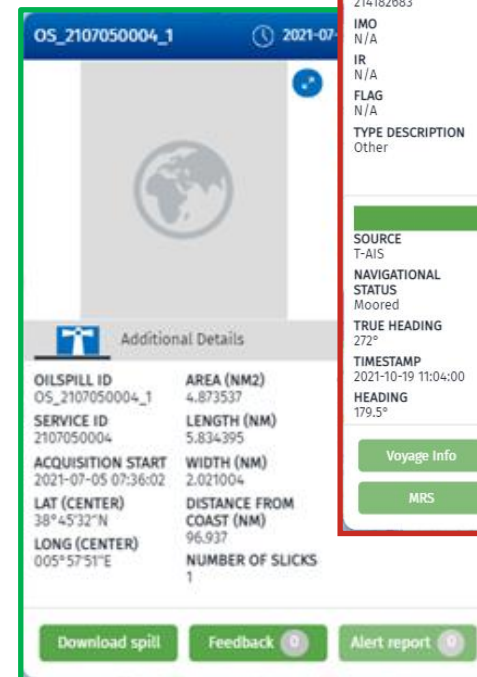
## 3<sup>rd</sup> Quarter 2022

### ➤ Version 2.2

- General interface improvement, including measuring tools functionalities
- Upgrade in the configuration of client preferences

### ➤ Version 2.3

- Redesign of Vessel Command and Info (C&I) panel
- Upgrade of EO C&I panel
- Improvement of the Oil Spill feedback and Oil Spill report functionalities
- Multiple C&I panels

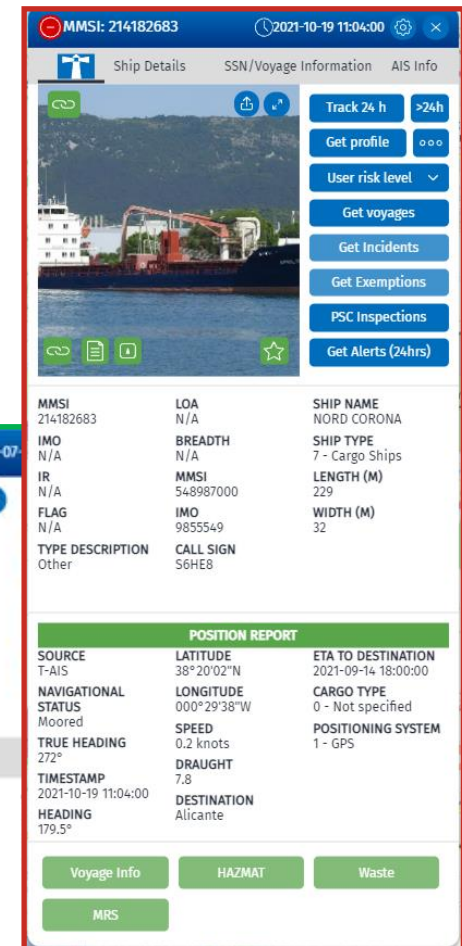


OS\_2107050004\_1 2021-07-05

Additional Details

OILSPILL ID	OS_2107050004_1	AREA (NM2)	4.873537
SERVICE ID	2107050004	LENGTH (NM)	5.834395
ACQUISITION START	2021-07-05 07:36:02	WIDTH (NM)	2.021004
LAT (CENTER)	38°45'32"N	DISTANCE FROM COAST (NM)	96.937
LONG (CENTER)	005°57'51"E	NUMBER OF SLICKS	1

Download spill Feedback 0 Alert report 0



MMSI: 214182683 2021-10-19 11:04:00

Ship Details SSN/Voyage Information AIS Info

Track 24 h >24h  
Get profile 000  
User risk level  
Get voyages  
Get Incidents  
Get Exemptions  
PSC Inspections  
Get Alerts (24hrs)

MMSI	214182683	LOA	N/A	SHIP NAME	NORD CORONA
IMO	N/A	BREADTH	N/A	SHIP TYPE	7 - Cargo Ships
IR	N/A	MMSI	548987000	LENGTH (M)	229
FLAG	N/A	IMO	9855549	WIDTH (M)	32
TYPE DESCRIPTION	Other	CALL SIGN	S6HE8		

POSITION REPORT

SOURCE	T-AIS	LATITUDE	38°20'02"N	ETA TO DESTINATION	2021-09-14 18:00:00
NAVIGATIONAL STATUS	Moored	LONGITUDE	000°29'38"W	CARGO TYPE	0 - Not specified
TRUE HEADING	272°	SPEED	0.2 knots	POSITIONING SYSTEM	1 - GPS
TIMESTAMP	2021-10-19 11:04:00	DRAUGHT	7.8		
HEADING	179.5°	DESTINATION	Alicante		

Voyage Info HAZMAT Waste MRS

## 3<sup>rd</sup> Quarter 2022 (cont.)

### ➤ Version 2.4

- General interface improvement of help functionality
- CleanSetNet service improvements
- Display of comparative, vector and detailed Traffic Density Maps (TDMs)

## 4<sup>th</sup> Quarter 2022

### ➤ Version 3.0

- Technology upgrade of SEG core components
- Advanced Vessel Search improvements
- TTT panel available as a second screen support

## Central Ship Database (CSD) v2.0

- Reference for MS authorities and EU agencies aiming also to improve the quality of ship identifiers information displayed in the SEG Command and Info panel
- Operational version was deployed in January 2022 integrating over 120,000 ships from 5 data sources
- OVR (Operational Vessel Registry) and CSD v2.0 will be synchronized in 2022 (date to be defined)

## Integrated Vessel Track Service (IVTS)

- Back-end component for delivering vessel tracks
- Significantly improve the user experience (retrieving and displaying historical vessel tracks)
- Overcome some limitations on the existing vessel track service



- The IMS Mobile App ('light-simplified' version of SEG) is available in the App Store (for iOS) and Google Store (for Android) with version 3.0
- Version 3.0 incorporates the functionalities identified by Member States during the dedicated UCM#11
  - Display of new data sets- Ports, AIS reported voyage data;
  - Availability of the Port+ enrichment data at the level of ports;
  - New offline capabilities - loading photos for offline usage;
  - Modification of the advanced search functionality;
  - Modification to the Vessel Track Query with Approximate Distance Calculator (for SECA area) option;
  - Special symbols for not-under-command and aground vessels;
  - 'Place mark' and Measuring tool.



- One deployment is scheduled for 2022. The envisaged changes to be included are the following:

## **Version 3.1 – 2<sup>nd</sup> half 2022**

- Changes in the clustering view;
- New filtering option;
- Specific ABM functionalities including clustering view for the ABM alerts;
- Notifications for the new ABM alerts

- In 2021, still due to pandemic situation, EMSA only conducted online training activities:
  - 17 trainings and webinars organized for the IMS for MS authorities and EU Bodies (EFCA, EU-NAVFOR, EUROPOL).
  - They covered various topics, ranging from basic IMS/SEG functionalities to specialized tools (Enhanced SARSURPIC, ABMs).
  - Over 140 persons participated in these training activities.
- Coming next:
  - Training sessions on the use of IMS, SEG, ABMs and Mobile App
  - Schedule and registration will be made available on EMSA web site

<https://extranet.emsa.europa.eu/e-register/events>



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