

# Update on ABMs

## IMS UCM 15.2

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- **Status**
- **Recent and planned Developments**
- **Trainings**
- **ABM Workshops**
- **Interfaces**
- **Actions**

- **ABM admin accounts**

+260, granted to 20 MS, 1 candidate country, 5 EU Bodies and EMSA

- **ABMs**

+500 running; 1,200 additional were used during last years

- **Distribution**

+240 lists to more than 600 users

Over 6,000 alerts are sent to ABM users via S2S interface, by email or displayed in the SEG or IMS Mobile App graphical interfaces (SEG or the Mobile App)

### - **ABM S2S interfaces**

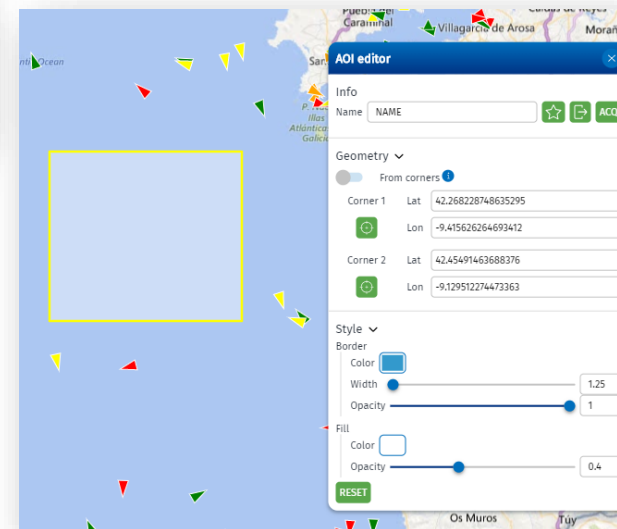
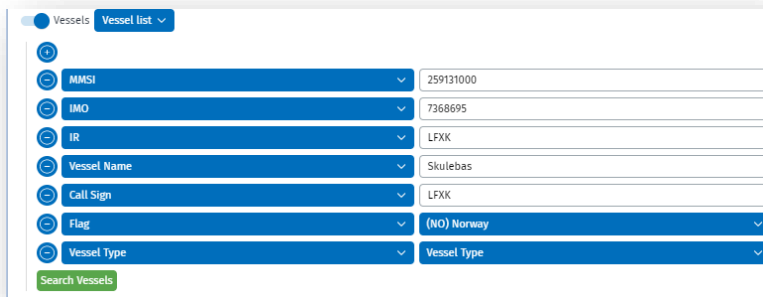
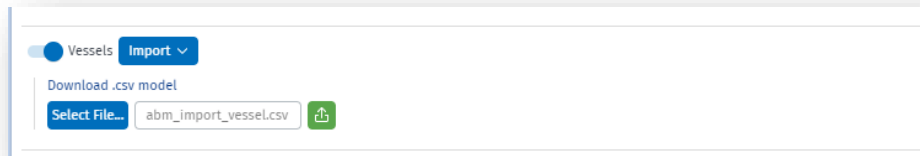
Used by: Frontex (for configuration and ABM alerting); Poland (for ABM alerting) as well as in the development of the integrated report distribution (IRD) system (for ABM alerting)

### - **Most popular ABM algorithms**

Since January 2020, : (I) 'In Area'; (II) 'FromAreaToArea' (III)'Not Reporting'; (IV) 'Drifting'; (V)'At Sea Encounter'

- **ABM technical module (STAR ABM) updated**
- **SEG ABM administrator upgraded**

Selection of 'favourite' vessels (Vessels of Interest – VOI); importing of the VOI lists; Area of Interest (AOI) imported from .shp (zipped) and .kml format file; edit of the AOIs



- **New ABM algorithms**

‘Zone Around the Ship’ and ‘Uncorrelated VDS in Area’,  
‘Navigational status change’; ‘Line crossing’

- **New data**

Use of the ‘SafeSeaNet enrichment’ in the filtering of  
vessels of interest

- **Combined ABM algorithms**

- **Historical ABMs**

Implementation in the Cloud-based infrastructure

- **Technical adaptations in the STAR ABM module**

- **Solely online, due to pandemic situation**
- **6 webinars** on ABM admin console usage prepared for MS authorities, EUROPOL and EUNAVFOR.
- **2 webinars** on the potential use of EMSA services/ tools in the SAR/ Salvage operations (included ABM-related topics).
- **40 persons** participated in these ABM-related training activities.




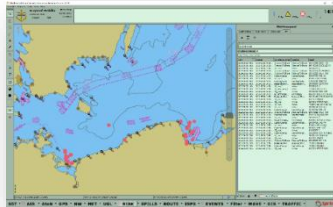

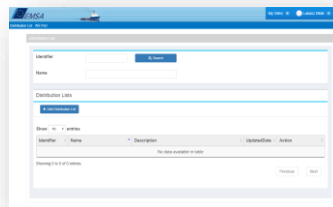

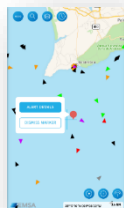
- **ABM-related developments, setting future priorities;**
- **Shared operational aspects and practices on the use ABMs by different communities, Member States and EU bodies;**
- **Discussed scenarios for Advanced Analytics, Risk Assessment and the usage of new technologies (e.g. Machine Learning).**





- **Provisional date 15.12.2020**
- **Online meeting**
- **‘Save the date’**

Objectives: operational experience sharing, best practices, feedback on the usage and future priorities, EMSA advanced maritime analytics prototype feedback.

Functionality	ABM configuration	ABM- alerting mechanism	Configuration of the ABM alerts distribution lists
Interfaces	 S2S 	 S2S 	 EMSA Maritime Portal (new interface) 
	SEG (new interface) 	SEG (new interface) IMS Mobile App  E-Mail	

- **Take note of the current ABM status**
- **Analyse operational needs + communicate them to EMSA (ABM WS 6 and UCM#15, 16)**

- **Volunteers are needed**

Validation of the future ABMs and combined ABMs scenarios (near-real time), as well as the historical ABMs (during 2020-2021)

Validation of the EMSA' Advanced Analytics Tool prototype (more details in presentation/paper IMS15.4.2)

IVEF exchange/ radar data exchange and potential use in IMS and ABMs



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