

## SOFTWARE PATCH/RELEASE NOTES for Users

### Production Environment

System:	SEG	Current version in Production	1.10.13
Applicable Version:	1.11.10	Release Date:	20/04/2021
Reference	Intervention duration: 14h30 to 15h30 UTC		

### Release content

#### New functionalities implemented:

- Pre-set modes: the new pre-set mode functionality available via Client preferences allows users to customise the SEG interface and save it as a 'User Pre-set Mode'. User Pre-set Modes are not visible by other users. EMSA has the possibility to create and publish modes. Published Pre-set Modes are visible to all users having access to a SEG operation. Favourite lists, configuration parameters and filter selection options are kept in saved pre-set modes. It is possible to show/hide layer menu branches that are not needed by the user.

#### IMPORTANT

Existing configuration should be saved as a 'User pre-set mode' before selecting any other pre-set mode or the initial configuration will be lost. See pre-set mode video tutorial at <http://emsa.europa.eu/ecosystem/seg-training-videos.html>

- TTT functionalities have been improved to facilitate operational analysis. The TTT now includes new buttons and functionalities:
  - Show/hide: hides features by selecting them in TTT and clicking on the show/hide button. Hidden features are highlighted in purple. Note this is also the case for vessels listed in TTT for which no position is available. This feature is useful for example to analyse vessel tracks in dense traffic.
  - Labels: displays labels for selected features. Labelled features are highlighted in blue in TTT.
  - Zoom: zooms to selected features.
  - Favourites: opens favourite panel keeping selection in TTT.
  - Bin: removes selected records from TTT.
  - Positions: opens the lists of positions for the selected vessel track(s). This button is only available in the Vessel tracks tab;
  - Advanced TTT timeline option in client preferences: when the option is selected in client preferences, after running a vessel track query, advanced timelines and speed profiles are available in the TTT timeline tab;
  - Export PDF +: new PDF report with the map of the maritime picture selected on screen, table with the TTT records, list of areas associated to the maritime picture and disclaimer.
- Combination of 'Add to TTT' (previously 'See in TTT') and of new TTT functionalities allows to user to build lists of vessels resulting of a sequence of user actions: selection from map, smart/advanced search results, or favourites.;
- The way search results and vessels listed in TTT are highlighted on map has been harmonised. A green halo means the vessel is listed in search results or TTT. A blue circle means that the vessel is selected;
- Automatic zoom has been in most cases de-activated to give more control to the user. For example, if the smart search was giving a single result, the system would automatically zoom to it whether the result was relevant or not. The user can now zoom either by selecting the feature and clicking on the binocular button or by double clicking on the record.
- Smart search new functionalities:
  - When hovering over vessel smart search results, Name, MMSI, IMO, IR, Flag, Call Sign are displayed as a tooltip;
  - New zoom button in the Smart search result panel for zooming to selected results.

- Features hidden due to the application of a filter: if a user tries see a feature which is hidden due to the application of a filter, a pop-up window will propose to activate the layer. This option can be deactivated in the 'Show' tab in client preferences ('Hide selection warning' button).
- Vessel track display – two new set of position symbols:
  - Same as track line: This set of symbols is now selected by default. Position symbols have the same colour as the track line making it much easier to discriminate between the different tracks displayed on the map.
  - In/Out SECA: track positions are blue inside SECA areas and red outside. In order to work properly, the set of symbols must be selected before launching the track query.
- New EO Value Added Products (VAP)- The following new EO VAP will be available to users:
  - Feature Detection Service- Detection of features on sea or on shore (e.g. containers; fish farms);
  - Change Detection Service- Comparison with older EO Services and identification of changes. This EO Product can be requested on Vessels, Features and Activities;
  - Wake Detection Service- Detection of wakes and potentially associated vessels (not correlated).
- Vessel Detection Service (VDS) and EO Acquisitions: additional attributes were added to the C&I, TTT panel and tooltip;
- EO-related tooltip: the tooltip, for all EO Products, can now be configured by the users in Preferences. All the attributes can be included in the tooltip;
- The EULA text box, for the Download of EO images was updated;
- Area Centric query functionalities, for EO data, was extended to all the available EO Products. Approximate Distance Calculation (ADC) functionality - allowing a visualisation of the approximate distance and average speed calculations based on the available historical positions, inside SECA and outside SECA area, and over a selected time criterion. The functionality is available via the 'Advanced Track' functionality. The results are visible in the TTT, once the relevant columns are made visible.
- Automated Behaviour Monitoring (ABM) – two new ABM algorithms template are available: 'Line Crossing'; 'Navigational Status Change'.
- Updated areas: NEAFC fisheries areas, German CleanSeaNet areas.

### Videos tutorials

To support the use of some of those new functionalities, the following video tutorials have been published at <http://emsa.europa.eu/ecosystem/seg-training-videos.html>:

- New TTT Functionalities
- Pre-set modes
- TTT to create favourite vessels
- How to build a list

### Defects corrected in this release:

50 issues are corrected with this release. They are listed in the annex.

### Known issues

- 'Add to TTT': while selecting vessels on map, the system doesn't prevent selecting at the same time underlying areas. 'Add to TTT' will include both vessels and areas in the TTT vessel tab. Areas shouldn't be removed from TTT using the TTT bin function. If this would happen, the only way to show again deleted areas is to reload the SEG
- Favourites: the system doesn't prevent creating favourite groups containing a mix of vessel and areas. This should be avoided. Please ensure that separate groups are created for favourite vessels and favourite areas.
- Favourites: Having vessel belonging to more than one group of favourite vessels may result in incorrect behaviour when selecting vessels from the favourite panel or in TTT.
- VDS timestamps: VDS timestamps in TTT and VDS C&I are always displayed in UTC.
- VDS re-correlation: When performing a second re-correlation on the same EO product, the "Last Re-correlation Date" value shown in the EO C&I panel may take up to a few minutes to be updated. The re-correlation process window will show the correct date and the "Last Re-correlation Date" will be updated correctly once the EO product C&I is open again;

- Feedbacks filter in EO Adv. Search might be slow to respond;
- SAR wave legend is not correct and displays the SAR wind legend, by mistake;
- CleanSeaNet: When inserting a new oil spill some fields are not filled (e.g. Distance from Coast, affected areas)
- EO's Products Wake Detection, Change Detection and Feature Detection Services: Due to a delay on EMSA systems, these Services are not yet available to users. VDS Status: A new VDS attribute, named Status, will enable users to understand if the detected vessel was discarded as a VDS or not by the provider of EO Services. Due to a delay on EMSA systems, these Services are not yet available to users.
- EO tooltip: users cannot enable or disable;
- In order to display correctly the symbology for vessel tracks in/out the SECA area, the user needs to load SECA areas. In order to load SECA areas, the user just needs to display them once via the Area layer menu.

## Annex: List of defects fixed in release SEG 1.11

- SEG-526: After editing ABMs, 'Stop time' gets automatically updated to the current time
- SEG-545: Voyage status bar/timeline missing in vessel Command and Info panel
- SEG-557: Activity detection thumbnails not properly loaded
- SEG-559: SEG displaying organisations not ACTIVE in Central Organisation Database (COD)
- SEG-573: Oil Spill symbol not displayed on map after a new spill is inserted
- SEG-576: Delete tool not closing Traffic Density Map labels
- SEG-577: Open ABM button not working properly from Alert Command and Info panel
- SEG-591: Favourites delete button not removing Favourites Option in layers after all favourites have been removed
- SEG-592: ABM parameters should not allow negative numbers
- SEG-597: RFMO symbology not correctly applied
- SEG-598: Incorrect fish factory symbol colour in vessel type symbology
- SEG-600: Vessel model option in Client Preferences ineffective
- SEG-601: Metocean sea surface height filter not working
- SEG-605: VDS symbols not in line with VDS symbology
- SEG-611: Details missing for incident report type Other
- SEG-613: VDS position in SEG not coincident with target position on the image
- SEG-616: Oil spill export from TTT as a shape or GML file not working
- SEG-623: ABM alert Command and Info panel - detailed report not available
- SEG-624: Incident Report's authority information not displayed
- SEG-628: Discrepancy between EO Service timestamps and VDS timestamps
- SEG-629: in TTT oil spill tab, the 'satellite' attribute has no value
- SEG-638: Vessel type filter – 'Other' option not working as expected
- SEG-639: Operation filter in oil spill advanced search not working
- SEG-640: impossible to download large EO data files
- SEG-651: VDS layer filter not working over an ACQ Result
- SEG-651: draw tools panel should only open after clicking on the draw in area query panel
- SEG-655: Oil spill feedback priority not working properly
- SEG-661: Timeline legend in Get profile showing 2 non-existent fields
- SEG-672: List of saved smart search not refreshed after saving a smart search
- SEG-680: Too many decimals for speed values in vessel Command and Info panel
- SEG-682: High priority flag not changing to other feedback when high priority feedback is deleted
- SEG-735: Values in TTT after clicking on 'See in TTT' are displayed in a unit
- SEG-2444: TTT VDS table does not order by Estimated Length properly
- SEG-2462: Vessel model option not save properly in client preferences
- SEG-2472: Organisations' duties name and description not available in TTT
- SEG-2504: SEG not enforcing ABM parameters minimum and maximum values
- SEG-2511: AOI Editor not available after drawing an area
- SEG-2515: SEG allows editing ABMs in terminated status
- SEG-2540: Clip images cropped in Command and Info panel
- SEG-2549: Incorrect VDS heading and speed parameters
- SEG-2557: Vessel type info not displayed in VDS Command and Info panel
- SEG-2564: Areas not displayed after changing projection
- SEG-2565: Ship-AIS missing in Data source legend
- SEG-2566: Issue displaying "Belgium Fishing Zone III Area" in IVTMIS operation
- SEG-2611: Issue retrieving detected oil spills
- SEG-2630: AIS Voyage Info - not appearing at first click on "See AIS Voyage Info" in vessel Command and Info panel
- SEG-2636: TTT Oil Spills – numerical ordering doesn't work for some fields

- SEG-2656: some Activity attributes missing in TTT and Command and info panel
- SEG-2802: some attribute values not being returned in oil spill ACQ
- SEG-2804: incorrect time range in VDS advanced area query