



Automated Behaviour Monitoring (ABM) Workshop 3

ABM admin module in SEG (future interface)

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Possible modifications

Groups split and discussion

- **Pre-setting ABMs with default values**
- **Alerting on the blocked status**
- **Filtering options**
- **Unique naming**
- **Review of the alert reports**
- **Area selection- use of the central reference CGD**
- **Modification of the units**

Alert C&I

Alert: 1505132101986 🕒 2017-09-11 11:50:17Z ⚙️ ✕

Name: MAERSK WINDHOEK

Area Query 🔍

Select Vessel

Snooze (24h)

ID	Longitude	Vessel name
1505132101986	-009.413°	MAERSK WINDHOEK
Start time	ABM Name	Vessel MMSI
2017-09-11 11:50:17Z	VALID_CASCAIS_LBI_	370431000
End time	DRIFT	
2017-09-11 12:14:58Z		
Latitude	Vessel IMO	
38.654°	9515591	

The map shows the coastal region of Cascais, Portugal, with various landmarks and a red speech bubble indicating the alert location. A detailed information panel is overlaid on the map, mirroring the data shown in the left-hand panel.

ID	Start time	End time	Latitude	Longitude	ABM Name	Vessel IMO	Vessel MMSI	Vessel name
1505063483376	2017-09-10 12:11:22Z	2017-09-10 12:11:22Z			ANCHORAGE_BE	9397999		AMETHYST ACE
1505064572377	2017-09-10 12:29:28Z	2017-09-10 12:29:28Z			ANCHORAGE_BE	9397999		AMETHYST ACE
1505064579211	2017-09-10 12:29:37Z	2017-09-10 12:29:37Z			ANCHORAGE_BE	9397999		AMETHYST ACE
1505064608260	2017-09-10 12:30:05Z	2017-09-10 12:30:05Z			IT_TUSKAR_ROCK_TSS	7901760		STENA EUROPE
1505064709782	2017-09-10 12:31:42Z	2017-09-10 12:31:42Z			ANCHORAGE_BE	9397999		AMETHYST ACE
1505065392933	2017-09-10 12:43:09Z	2017-09-10 12:43:09Z			ANCHORAGE_BE	9407366		HORIZON APHRODIT
150506543295	2017-09-10 12:26:10Z	2017-09-10 12:26:10Z			FR_FEZ_POVNESIA_INAREA	N/A		MASQUEENADA
1505065963422	2017-09-10 12:28:43Z	2017-09-10 12:28:43Z			FR_FEZ_POVNESIA_INAREA	N/A		LICHYUN NO2

ABM configuration

ADD SURVEILLANCE

Select an area

Vessels of interest

Mode: **Filter**

Exact match

Flags: **IN**

Flags

Ship types: **NOT IN**

Ship types

Start date:

Stop date:

Alert policy:

At start

Distribution list:

Email notification

SET **CANCEL**

Apps

Sentinel-2

APP or a function on the left side?

ADD SURVEILLANCE

Select an area

Vessels of interest

Mode: **Filter**

Exact match

Flags: **IN**

Flags

Ship types: **NOT IN**

Ship types

Start date:

Stop date:

Alert policy:

At start

Distribution list:

Email notification

SET **CANCEL**

EMSA IMDatE - Alert Report

Surveillance Instance

Name: FROM_MADERA_TO_PORTOSANTO_LBIOPERVALID
Description: FROM_MADERA_TO_PORTOSANTO_LBIOPERVALID
Area of Interest: BBOX35 | BBOX33
Alert policy: one_shot_at_start
Alert type: FromAreaToArea

Surveillance Instance Parameters:

Param name	Param value
pastProcessedArea	-16.9989613578258,32.41423910390867 -16.625377380141146,32.41423910390867 -16.625377380141146,32.83338210326219 -16.9989613578258,32.83338210326219
processedArea	-16.504574339862355,32.84280204448739 -16.097356314374277,32.84280204448739 -16.097356314374277,33.12651952126187 -16.504574339862355,33.12651952126187
maximumPeriodOfHistory	2

Alert

ID: 1505143996017
Cap Creation Time: 2017-09-11T15:33:16Z
Sent: 2017-09-11T15:33:16Z
Start Time: 2017-09-11T15:33:10Z
End Time: 2017-09-11T15:33:10Z
Position Source: T-AIS
Latitude: 32.853 (32 51'10.8"N)
Longitude: -16.453 (16 27'10.8"W)

InArea event

status: IN
position.timestamp: 2017-09-11T15:33:10-00-00
position.latitude: 32.853
position.longitude: -16.453

Involved vessels:

Imdate ID: 1019531 MMSI: 255806012 IMO: N.A. IR: N.A. Call Sign: N.A. Name: N.A. Flag State: N.A. Length overall: N.A. Breadth: N.A. Vessel Type: N.A.

Positions:	Timestamp	Longitude	Latitude	Heading	Speed
	2017-09-11T15:33:10Z	-16.453 (16 27'10.8"W)	32.853 (32 51'10.8"N)	47	14.3

EnterOrLeaveArea event

status: OUT
currentPosition.timestamp: 2017-09-11T15:33:10-00-00
currentPosition.latitude: 32.853
currentPosition.longitude: -16.453
previousPosition.timestamp: 2017-09-11T15:27:10-00-00
previousPosition.latitude: 32.836
previousPosition.longitude: -16.473
positionLeavingInPast.timestamp: 2017-09-11T14:43:34-00-00
positionLeavingInPast.latitude: 32.717438
positionLeavingInPast.longitude: -16.621304

Involved vessels:

Imdate ID: 1019531 MMSI: 255806012 IMO: N.A. IR: N.A. Call Sign: N.A. Name: N.A. Flag State: N.A. Length overall: N.A. Breadth: N.A. Vessel Type: N.A.

Positions:	Timestamp	Longitude	Latitude	Heading	Speed
	2017-09-11T15:33:10Z	-16.453 (16 27'10.8"W)	32.853 (32 51'10.8"N)	47	14.3

Pre-configurations

Type: Anchorage

Swing Circle Radius (meters)
200

Minimum Anchorage Duration (seconds)
1200

Type: HeadingToShore

Minimum Speed (meters per second)
3

First Distance to Shore (meters)
500

Second Distance to Shore (meters)
1500

Type: Drifting

Minimum drifting duration (seconds)
1200

Maximum Speed (meter per second)
2

Minimum Leeway Deviation (degrees)
10

Type: UnderReporting

Ship Tracking System
T-AIS

Under-reporting threshold (0.1-0.5) (percent)
0.2

Nominal Reporting Period (seconds)
360

Observation Time Period (seconds)
1440

Group split – around 3 tables

Material prepared for reference

Discussion on the possible implementations in SEG



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 **EMSA**
European Maritime Safety Agency