



# Automated Behaviour Monitoring (ABM) algorithms

**ABM status, new ABMs**

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- **Current ABMs**
- **New ABMs**
- **Future plans**

ABM Type – description which events are automatically detected	ABM name
Presence of a particular vessel(s) in an area of interest	<i>InArea</i>
Passage of a vessel close to the shore	<i>DistanceToShore</i>
Vessels entering or leaving ports	<i>AtPortAtSea</i>
Anchored vessels	<i>Anchorage</i>
Frequency of vessels' position reports higher or lower than expected	<i>UnderOverReporting</i>
Vessels approaching one another closer than an indicated distance, with a speed below defined threshold	<i>AtSeaEncounter</i>
Change of heading higher than a threshold (e.g. more than 20 deg.)	<i>SuddenChangeOfHeading</i>
Sudden change of speed	<i>SuddenChangeOfSpeed</i>
Change of speed above or below a limit set	<i>SpeedAnomallyOverPeriod</i>

ABM Type – description which events are automatically detected	ABM name
Passage of a vessel close to an area of interest	<i>DistancetoArea</i>
Vessels entering a closed area at a specific time	<i>TimeAndPeriodOfDay</i>

ABM Type – description which events are automatically detected

Vessel leaves Area of interest X and enters Area of Interest Y

Vessel reports position outside an Area X

Vessel is switching off transponder

Port of Departure is X

Port of Arrival is X

Vessel is probably drifting

Vessel departs from or heads towards coastline

Change of position

## **Admin functions**

**Safeguarding the system – ‘blocked’ ABMs**

**Introduction new policy ‘at end’- when last event is detected + grouping of all the alerts**

**User shall be able to select if he want’s to be alerted on the filtered vessel types or flags when position reports does not provide the selected data**

**Upload a list of VOI**

**Negative selection criteria**



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