



Automated Behaviour Monitoring (ABM) Workshop 3

New ABMs, security related aspects

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New ABMs explained

Security related questions

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>
Anchored vessels outside port	<i>AnchorageOutsidePort</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>

ABM types (2)

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>
Vessel leaves Area of interest X and enters Area of Interest Y	<i>FromAreaToArea</i>
Vessel reports position outside an Area X	<i>OutArea</i>
Vessel is switching off transponder	<i>NotReporting</i>
Change of speed above or below a limit set	<i>SpeedAnomallyOverPeriod</i>
Change of speed above or below a limit set outside port	<i>SpeedAnomallyOverPeriod</i> <i>Outside Port</i>
Sudden Change Of Speed Outside Port	<i>SuddenChangeOfSpeedOutside</i> <i>Port</i>

ABM Type – description which events are automatically detected	ABM name
Port of Departure is X	<i>DesignatedPortofDeparture</i>
Port of Arrival is X	<i>DesignatedPortofArrival</i>
Vessel is probably drifting	<i>Drifting</i>
Vessel departs from coastline	<i>HeadingOffShore</i>
Vessel heads towards coastline	<i>HeadingtoShore</i>
Change of position	<i>SpoofingPositonInError</i>
Frequency of vessels' position reports lower than expected	<i>UnderReporting</i>
Frequency of vessels' position reports higher than expected	<i>OverReporting</i>

- **EMSA personnel - bounded by the confidentiality; and non-disclosure of information and data, received in the line of duty.**
- **Contractors working on the IMS systems handling data - bounded to confidentiality provisions all EMSA's contracts.**
- **Access to production Maritime Applications - by a limited number of identified EMSA's ICT staff**
- **EMSA's ICT unit as well as the 24/7 Service Desk (Maritime Support Services) personnel signed a special HR declaration related to security and confidentiality of data.**

- **Different ABM admins or IMS users are neither able to see each other's distribution lists nor the related alerting.**
- **IMS users can see the alerting in their IMS WUP/SEG/ IMS Mobile App or receive ABM related emails only if their userid is on the distribution lists.**
- **EMSA ABM administrators have access to the list they create on behalf of the requestors from Member States or EU Bodies.**



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 **EMSA**
European Maritime Safety Agency