

Meeting: 7th IMS User Consultation Meeting (UCM#7)

Place and date: Lisbon, 12 May 2016

Agenda item: 2 – Information on the ABM Workshop December 2015

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Submitted by EMSA

Summary	This paper provides information on the ABM Workshop held at EMSA on 02 Decmeber 2015
Action to be taken	See point 3
Related documents	ABM WS 02 December 2015 Report

1. Background

Anomaly Detection and Automated Behaviour Monitoring (ABM) tools are computer-based systems analysing real time vessel position reports (as made available in EMSA's operational maritime applications) for the detection of abnormal and/or user specific behaviours. Patterns, such as entering an area of interest, encounters at sea, approach to shore, deviation from the usual route, are detected and operational operators are automatically alerted in real time via email or through the graphical user interface. Users of IMDatE/IMS ABM's from Ireland, Italy, Malta, Sweden and United Kingdom as well as from the European Agency for the Management of Operational Cooperation at the External Borders (Frontex) met for an operational Workshop on 02 December 2015 at EMSA premises in Lisbon. The main objectives were: to gather and share knowledge on the existing ABMs and practical applications, note new requirements for the related existing and future functionalities, and discuss a possible framework for the future.

2. Topics discussed

Participants were divided into groups to discuss operational needs and practical use cases for the following domains: Safety, Security, Fisheries/Environment. EMSA moderated the discussions and noted requirements. The parallel sessions addressed practical scenarios stemming from the experts' operational experience in using or developing the anomaly detection and ABMs. The outcome of the discussions is reflected in the WS report available at: <http://emsa.europa.eu/combined-maritime-data-menu/consultation-meetings-documents.html>

3. Action Required

IMS users are requested to: review the report, its action points (including the identified new requirements), and provide relevant feedback. Member States may also confirm if they intend to participate in future ABM Workshops or if they only wish to be informed about the progress in this area.