

Automated Behaviour Monitoring

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ABM Administrator Module



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Main steps

- 10 June 2016 : submission to the EMSA
 - Since this date, several teleconferences were organized
- 30 June 2016 : availability of the module
 - Assistance of the EMSA to use it
- 21 July 2016 : the module becomes operationnal
 - In a first time, our acces rights were limited and we didn't have the possibility to create an alert for another user
- 12 September 2016 : first alert created for operationnal use



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Administration Management

- ABM administrator :
 - One account in France (used by the french NCA 24/7 for SSN).
 - Management of ABM alerts for all the french users (about 200 accounts)
- Access rights limitations :
 - No possibility to create a distribution list for users
 - To create a distribution list, we have to contact EMSA
 - No visibility of the previous alerts which were created by EMSA
 - With the cooperation of the EMSA, we have deleted all of them

Feedback

- The creation of the alerts from the web interface of the ABM administrator module is very simple (except for too important areas)
- Adjustment of the parameters is important
 - Too large areas of interest (there is no limitation in the interface), too many alerts created can easily result in the receiving of a huge number of emails and then become inoperable.
- The setting of the parameters requires an assistance from EMSA
 - Importation of files containing the geographical areas
 - Monitoring of the number of alerts triggered by user
 - Monitoring of the performances (too many alerts may have an impact)

ABM Surveillance Modules



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User accounts

- 2 accounts have been created
 - CROSS La Réunion : Mozambique Channel for Maritime Assistance Services
 - In a first time, only for Juan de Nova Island
 - French Customs : since 21st September 2016
- A small number due to the current operating mode in the management of the alerts. There is a real interest shown by some users :
 - Survey of our maritime approaches
 - Survey of trafic of illicit materials
 - ...

Feedback

- When the alerts are defined well, the feedback of the users is good
- The alerts sent when a ship stops her AIS and/or change her AIS status are eagerly awaited by our users



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Proposals for Evolutions



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Evolutions (1/2)

- Administration management
 - The national ABM administrator needs to have access to all functionalities (creation of the distribution list, importation of areas' files, ...)
 - An ABM module should be created for every users which have been designated by a member state (not only one).
 - Problem : the number of alerts would be liable to crash the system
- Confidentiality management
 - Ensure confidentiality of the parameters used in alerts (list of ships under watch)

Evolutions (2/2)

- Alerts management
 - Distribution list : Extend the list to whatever email address (an alert is set by an user but the alert is indeed managed by a service)
 - Area : Option to remove in a specific area all the areas within a small distance from all ports inside
 - Ship : Add the possibility to consider all ships except those in the list
 - Performance : The interface of the system is sometimes quite slow, the users expect that it becomes more responsive

Thanks

