



BLUEMASSMED OPERATIONAL SCENARIO 3.

ILLEGAL TRAFFICKING OF DRUGS AND WEAPONS

Developed by FR PN.

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1. Introduction.

The purpose of this document is to define the operational scenarios to be used in order to test the operational effectiveness of the Blue Mass Med network.

The operational scenarios provide the background required in order to promote the validation of all BMM System Services and the Information Exchange Requirements (basic and non basic) between the nodes of the network, and therefore, the scenarios describe the tasks and activities, operational elements, and information exchanges required to accomplish the mission.

This document has to be read in conjunction with the latest edition of the BMM Demonstration Plan.

In the following sections a detail description of one operational scenario. All the information provided is fictional and the only purpose is to help to test the network and the services. The basic / non basic information which is intended to be exchanged between BMM partners is fictional, and therefore the issue of whether the information is unclassified / sensitive or classified is not applicable in the context of this document.

This operational scenario promotes the exchange of information based on an existing Shared Basic Common Maritime Picture (SBCMP) and they are designed to use all the services available, both core services and common services. In this regard, the scenario should provide opportunities to create new tracks, to update existing tracks, to assign or modified track numbers, or the deletion of an existing track. They also provide opportunities to exchange track historic data among the authorised nodes, to communicate among the nodes (via internet type e-mail, chats, IP phoning, etc...), to exchange imagery products (static media files, streaming media file, including satellite imagery) or to exchange mapping information.

NOTE

- This operational scenario has been developed with the most current technical information available and it will be adapted to the services and information exchange requirements implemented by each node.
- It is imperative that the individual nodes with active involvement in this scenario check the feasibility to perform the tasks specified. In any case will inform the designated PN responsible person the availability of its node to conduct the operational demonstration

2. General description of the Scenario.

This BMM Operational Scenario has an initial description in which it is explained in general terms the initial situation and the surrounding circumstances. Starting from the initial situation the scenario is developed with different actions occurring upon which the BMM partners take measures to prevent the dangerous situation from occurring or to mitigate the effects.

Following the description there is a graphical map of the scenario, and a list of injections and the information exchange occurring amongst BMM partners.

The exact format of the information exchange will be established during the trials in accordance with the services developed by each node.

Finally a list of the partners involved in each scenario is shown.

Illegal Trafficking of drugs and weapons

Description

As part of the data collected by aerial patrols and daily integrated within the BMM network by partners, a sloop is located and identified "Mouse", its flag being visually identified as Malta, by the Portuguese Air Force just off Faro heading south east towards the Strait of Gibraltar.

The French Customs have set up an alarm owing to the services offered by BMM, with a list of pleasure boats of interests, among which is the sloop Mouse. Therefore, when this ship appears on the SBCMP in the waters off Faro, the alert is raised on the French Customs BMM working station.

The French Customs post a message to the entire BMM Community, asking for feedback (positional data) in order to track Mouse.

The day after, a ship from the Spanish GC relocates the ship during a routine patrol crossing the Strait of Gibraltar, being informed about the BMM French request through its operational centre. A picture of the sloop is taken and sent with the positional data to the French Customs in the BMM network.

The sloop is appears to be bound for the south coast of Mallorca. SP Navy deploys a surveillance airplane to relocate the vessel which appears to be sailing eastward towards the coast of Corsica.

The French Customs together with other French authorities decide to send their own aerial means; it is observed that the sloop heading East towards Sardinia.

The French message remaining active within BMM, an Italian aircraft from the Guardia di Finanza identify the sloop arriving West of Sardinia but turning North towards Ajaccio.

In the meantime, the French Customs send a message to the Maltese authorities in BMM, asking for the shipowner and other ID data about the sloop Mouse.

It is decided to intercept the ship as soon as entering the French TW, and 1 ton of cannabis resin as well as several prohibited weapons are found.

Map.



Injections and Information Exchange.

T1: FR (Customs) sends an alarm within the community of interest, on a list of suspect boats.

PAF spots boat Mouse off the coast off Faro heading towards the Strait of Gibraltar.

T2: PT (PN) inserts new track of Mouse on SCBMP.

T3: FR (Customs) subscribe information service request to BMM on boat “Mouse”.

T4: PT (PN) sends radar and visual picture of the boat Mouse identifying Mouse as Maltese flag.

T5: FR (Customs) asks Maltese authorities for additional information on boat

Mouse.

T6 : MT (Defence) send information on boat Mouse to FR (Customs).

PT (PN) hands over boat Mouse to SP (GC) as it crosses the straight of Gibraltar.

T7: SP (Navy) inserts new position and track of Mouse into SCBMP, picture included.

SP (Navy) loses track. SP plane spots boat Mouse just off Balearic Islands. Mouse departs eastward and FR plane identifies the boat, sailing towards Sardinia.

T8: FR (PN) update position asks IT (PN) for Wide Area suspect vessel detection Service (satellite image) *in complement of use of Pleiades*. IT (PN) provides information.

T9: IT (PN) update the position of Mouse just off the coast of Sardinia heading north to Corsica.

FR authorities intercept Mouse. FR Customs remove boat X from list and remove alert on boat Mouse.

Expected results.

The collaborative effort of BMM partners allows the effective detection, surveillance and tracking of a vessel suspect of committing illegal traffics. The collaborative effort allows for the interdiction of the vessel before reaches her final destination.

Partners Involved.

BMM:

France – Customs.

Italy – Customs, Coast Guard.

Malta – Defence.

Spain – Navy.

Portugal – Defence, FAP, SEF.

Others

TBD.

Comments.

3. General Animation Plan.

3.1. Ship's Track Information.

TRACK NUMBER 1				
NAME	FLAG	SPEED	LAST PORT OF CALL	DESTINATION

POSITION	P1	P2	P3	P4	P5	P6	P7	
TIME								
EVENT								



3.2. General Animation Plan.

Step	Timing (T0 +...)	Target ship behaviour	key event	relevant data injection	Supposed partner injecting (FROM)	real partner injecting (technical capacity)	Partners receiving data or info (TO)	Assets deployment actions	Service request and publication
T0		No behaviour	Network operative, partners logged						
T1	+1hr	No behaviour	FR (SN customs) sends an alarm within the community of interest concerning 5 suspect boats	5 fake ships to be reported to FR Customs if spotted, with for each:	FR (SN – customs DNRED)	FR (SN – customs DNRED)	see list of receivers	No assets deployed	Creation of notification (alarm) . Subscription for additionnal information regarding these vessels
				*name				Each partner receiving the request investigates his own data files and surveillance systems	
				*flag					
				*last known position					
				*type (sloop, ...)					

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	+2hr	One Ship sailing towards STROG	PT (PN – FAP) reports having spotted one of the ships mentioned by FR-customs DNRED, presently at sea off the coast of FARO	Report sent by FAP through PT(PN) to FR (SN Customs) with:	PT (PN)	PT (PN)	FR (SN – customs DNRED)		Track publication by PTPN. Automatic reception by FrPN. (possibly notification sent also by PT PN , received by Customs and added on main-even-tlist of the track if needed.)
				*reference to message sent					
				*search positive with one ship (same name, type and flag of ship)					
				*insert the track in the SBCMP without comment					
				*PSN 36°00N-008°00W/ 090 / 5nds					
T2	+2.1hr	One Ship sailing towards STROG		Track of sloop "MOUSE":	PT (PN)	PT (PN)	all subscribers (FPN and/or secondary nodes)	No assets deployed at this time	Track exchange
				*name				Track of "Mouse" is maintained on SBCMP by PT	
				*assumed flag					
				*PSN 36°00N-008°00W					
				*course/speed 090/5nds					
T3	+3hr	/	FR (SN-customs) subscribe information service request to BMM	Request to all partners for information on "Mouse" with a request for no action to be taken against the ship by any partner	FR (SN-customs DNRED)	FR (SN-customs DNRED)	All		Notification for no action to be taken against the ship by any partner

Blue Mass Med Vignettes Development



T4	+5hr	Ship sailing towards STROG	PT (PN) sends result of request for more information concerning the "Mouse"	Taking the opportunity of an aerial patrol by FAP, PT (PN) sends to FR (SN-customs) a picture of the "Mouse" confirming general description and showing a Maltese flag	PT (PN) sends picture and updates SBCMP or PT (PN) create a link between the picture available and the track.	PT (PN) sends picture and updates SBCMP or PT (PN) create a link between the picture available and the track.	*FR (SN-customs) for picture	As the ship is closing to STROG, PT and SP prepare the handover for surveillance	Additional info services. Picture received linked with the track is downloaded by fr customs
				Track of Mouse in SBCMP is updated 36°00N-007°45W			*All for information excepted the picture		
				course/speed 090/5nds					
T5	+6hr	Ship close to STROG	FR (Sn-customs DNRED) sends a request to MT (SN) for confirmation of maltese flag for this ship and communication of all possible informations on the ship, owner...	Request	FR (Sn-customs DNRED)	FR (Sn-customs DNRED)	MT (SN)	No assets deployed the answer to this request will make gain time for the official procedure of "article 17" request easier as FR will be sure that the ship is registered in Malta	Request using additional information services
T6	+12hr	Ship close to STROG	Handover between PT and SP for tracking the "Mouse"	*Message between PT(PN) and SP (PN-GC) with all the actions conducted from the initial element and the request for not boarding the ship made by FR customs or message only for handover and acces given to SP(PN-GC) of main-vent-list linked to the track	PT (PN)	PT (PN)	SP (PN-GC) with FR (SN-customs) and SP (Navy) in copy		common services of track exchange (main-event-list linked to the track). And message by mail (cooperative tool) if needed

Blue Mass Med Vignettes Development



			FR(Sn - customs DRGC) makes a request for satellite surveillance over specific area on north africa coast known for departure of go-fast in order to monitor if a ship may be ready to leave anchorage for transshipment on "Mouse"	FR (SN - customs DRGC) sends request for wide area mapping	FR (SN-customs DRGC)	FR (SN-customs DRGC)	FR (SN - CNES) and IT (PN)	tasking of satellite: Cosmo-Skymed and Pleiades	make a wide area mapping
T7	+24hr	Ship in STROG	Answer from MT (SN) to FR (SN customs)	-Response with all data regarding the ship "Mouse", confirming its flag and with copy of the registration form	MT (SN)	MT (SN)	FR (SN-customs)	No asset deployed but FR sends an "article 17" request to Malta by official channel	response using additional information services
			Sat images received by FR(SN - customs DRGC): no sign of ship ready for transshipment	images sent	FR (SN - CNES) and IT (PN)	FR (SN - CNES) and IT (PN)	FR (SN-customs DRGC)		
T8	+66hr	Ship sailing NE	Mouse having left the range of SIVE, only an estimated track was maintained but SP navy relocates the ship 90 Nm SE of Alicante and takes pictures	*Updated track of Mouse in SBCMP, 90 SE of Alicante, sailing 055°/4knt, 37°00N-000°30E	SP (PN-navy)	SP (PN-navy)	*track: SBCMP		Common services of track exchange (picture linked to the track). And message by mail (cooperative tool) if needed
				*message to FR (SN-customs) and GC with pictures			*message and picture: Fr (SN-customs) and SP (PN-GC)		
T9	+103hr	Ship sailing NE	"Mouse" relocated by SP airplane based in balears Islands, ship located 40NmSE of Minorca, sailing 055°/5knt	*Updated track of Mouse in SBCMP, 40Nm SE of Minorca, sailing 055°/5knt, 39°20N-004°50E	SP (PN-navy)	SP (PN-navy)	*track: SBCMP		Common services of track exchange (picture linked to the track). And message by mail (cooperative tool) if needed

				*message to FR (SN-customs) and GC with pictures			*message and picture: Fr (SN-customs) and SP (PN-GC)		
T10	+110hr	Ship sailing east	“Mouse” relocated by FR plane (F406) , 80 Nm ESE of Minorca, heading 085° 7 knt to Sardinia	*Updated track of Mouse in SBCMP, , 80 Nm ESE of Minorca, heading 085° 7 knt to Sardinia, 39°24N-005°50E	FR (SN customs DRGC)	FR (SN customs DRGC)	*track: SBCMP	FR plans air coverage between customs and navy surveillance planes and coordinates with SP and IT	Notification for no action to be taken against the ship by any partner and decision of coordinate surveillance resulting from a chat (or video) conference between interested actors
				*message to SP PN (Navy and GC) and IT (PN) with pictures with a request for no action to be taken against the ship by any partner if no course into national waters			*message and picture : SP (PN – navy and GC) , IT (PN), FR(SN-navy), FR(SN-customs DRGC)		
T11	+117hr	Ship sailing eastward	“Mouse” relocated by FR navy plane between Minorca and Sardinia, heading 090° 4 knt	*Updated track of Mouse in SBCMP, heading 090° 4 knt to Sardinia, 39°40N-007°00E	Fr (SN-navy)	Fr (SN-navy)	*track: SBCMP	IT (investigates for air surveillance in order to prevent arrival on coasts of Sardinia)	Common services of track exchange (picture linked to the track). And message by mail (cooperative tool) if needed
				*message to Fr (SN-Customs) and SP PN (Navy and GC) and IT (PN) with pictures			*message: SP (PN – navy and GC), IT (PN), FR(SN - customs DRGC)		

	+117hr30	Ship sailing eastward	FR (Sn-customs DRGC) informs that a request to Fr (SN-navy) and IT (SN) for coordinating air investigations between Fr and IT has been sent by operational channels		Fr (SN customs DRGC)	Fr (SN customs DRGC)	*message: Fr (SN – customs) to Fr (SN-navy) and IT (PN) and SP as info	IT (investigates for air surveillance in order to prevent arrival on coasts of Sardinia)	formal message? Or notification
	+120hr	Ship sailing eastward	As the FR navy plane is off task, FR(SN-navy) sends to IT (PN) a request for wide area suspect vessel detection service by satellite imagery in complement of use of Pleiades system by FR	*last update of “Mouse” track heading 080° 4knt	FR (SN-navy)	FR (SN-navy)	*track: SBCMP	Assignment of satellites	Fr sat services (direct ask to sat provider of sat images). Ask to It sat pictures: Get a wide area mapping services.
				*message to Fr (SN-customs) for information and IT (PN) for request			*message: IT (PN) with SP (PN – navy and GC) as info		
T12	+125hr	Ship off the coast of Sardinia, sailing northbound	After analysis of satellite imagery by IT, an air patrol reports the “Mouse” 30 Nm West of Oristano (Sardinia), sailing northbound 5knt	*Updated track of Mouse in SBCMP, heading 000° 5 knt to Corsica, 39°55N-007°55E	IT (PN)	IT (PN)	*track: SBCMP	Coordination between IT and FR, Fr (SN-Customs DNRED and DRGC) having received a positive answer to the “article 17” request from Malta prepares for boarding	Common services of track exchange (picture linked to the track). And message by mail (cooperative tool) if needed.
				*message to FR (SN customs) and Fr (SN navy) with SP PN (Navy and GC) as info			*message: FR (SN-customs and navy) with SP (PN – navy and GC) as info		

T13	+140hr	Ship off the limit of Sardinia and Corsica coast, sailing northbound	Handover between IT and Fr for tracking the "Mouse", relocated by FR plane (F406) , 41°05N-007°55E 000° 5 knt to France	*Message between IT(PN) and Fr (SN-customs) with all the actions conducted *track in SBCMP correlated between IT and Fr	Fr (SN-customs DRGC)	Fr (SN-customs DRGC)	*track: SBCMP *message: FR (SN-customs) to IT (PN) and FR (SN-navy) as info	Fr airplane F406 with air coordination with IT	Common services of track exchange (picture linked to the track). And message by mail (cooperative tool) if needed
T14	+145hr	Ship sailing north in international waters	Boarding of "Mouse" by FR customs cutter	FR (SN customs-DRGC) *Updated track of Mouse in SBCMP, 41°30N-007°55E	FR (SN customs DRGC)	FR (SN customs DRGC)	*track: SBCMP *message: FR (SN-customs) to IT (PN) and FR (SN-navy) as info	DF 14 "Muntese" by FR customs with air support Fr customs airplane F406 and helicopter Ec135	Common services of track exchange (picture linked to the track). And message by mail (cooperative tool) if needed
T15	+150hr	Ship sailing east with DF14	Arrestation of "Mouse" by FR customs cutter	FR (SN customs DNRED) removes "Mouse" as a "suspect ship" and sends update and inform partners of the result of the positive search and congratulates for cooperation	FR (SN customs DNRED)	FR (SN customs DNRED)	To be decided by DNRED: SBCMP or targeted partners and which one	DF 14 "Muntese" by FR (SN-customs)	notification or message

Note 1: System Services to be checked in accordance with annex II of the BMM Demonstration Plan and the latest version of the BMM System View. Identification of the Node requesting /providing the service is compulsory.

Note 2: Information Exchange Requirements in accordance with annex II of the BMM Demonstration Plan and the latest version of the BMM Operational View. Identification of the Node requesting / providing the Information is compulsory.

Note 3: Identification of the Nodes involved and their role.

Note 4: All Partners involved in the Scenarios check technical feasibility of the service and information exchange requested.

3.3. BMM Nodes Involvement.

The following chart depicts the different nodes and their involvement in this operational scenario.

BMM NODE	Nº VIGNETTE/ INJECTION	TIME REFERENCE	SHIP POSITION	SERVICE REQUESTED / PUBLICATION. (Note 5)	INFO EXCHANGE REQUESTED / PUBLICATION. (Note 5)
	Information to be inserted	Information to be inserted	Information to be inserted	Information to be inserted	Information to be inserted

Note 5: All Partners involved in the Scenarios check technical feasibility of the service and information exchange requested.

