



## **BLUEMASSMED OPERATIONAL SCENARIO 5.**

### **ILLEGAL TRAFFICKING OF PERSONS AND WEAPONS**

**Developed by IT 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 persons and weapons.

#### Description

Europol have reported the presence, in the Suez Canal, a Liberian-flagged cargo ship (MV Fortress) which sailed from a port in the Pacific, carrying a cargo of goods in bulk and heading to Barcelona. The intelligence services within the international community have evidence that the vessel is involved in international illegal traffic of weapons. At the time of entry into the Mediterranean Sea, the cargo ship assumes a normal trade route. In the first part of its route, the vessel does not seem to display suspicious behaviour and keeps a route compatible with the declared intention of sailing towards Spain.

Later during the voyage, the MV Fortress diverts from the planned route and heads towards Malta. When it is nearing the isle of Malta, it is sighted by an ATR 42 aircraft of ITA Guardia di Finanza during an air-sea exploration mission in the sea south of Lampedusa.

The operations room of Guardia di Finanza confirms that it is a floating boat used for trafficking and monitored by various law enforcement agencies in Europe and sends its report to the Ministry of Interior - Central Directorate of Immigration and Border Police. The cargo is then monitored several times, until it is detected riding at anchor, for some days, about 40 miles off the Tunisian port of SFAX.

The movements of the cargo and the small boats are monitored by surveillance means (aircraft and satellites) of BMM partners. Once the people (probably illegal migrants) have embarked, the cargo continues navigation, heading directly towards the southern

Italian coast.

During the voyage the ship is constantly monitored by BMM agencies with surveillance means in the scenario.

When MV Fortress is detected inside the Italian territorial waters of Isle of Lampedusa, ~~ITA authorities~~ Ministry of Interior decide to start a police operation aimed at identifying those responsible for trafficking of weapons and checking the ship for illegal migrants on board.

### Map.



### Injections and Information Exchange.

MV Fortress crosses the Suez Channel and it is sailing unlocated in the international water south of Greece. EUROPOL provides alert to Italian Ministry of Interior.

**T1:** IT (PN) provides the information to all the BMM community.

**T2:** GR (Coast Guard) confirm and update the ship track and information. Track on SCBMP

**T3:** IT (PN) provides regional track information services on the suspected vessel as it sails westbound.

**T4:** MT (Defence) provides information.

Spanish Navy ship conducting FRONTEX operation in central Mediterranean tasked to monitor MV Fortress

**T5:** SP (NAVY) provides AIS information and monitor situation. SP (Navy) provides picture of MV taking persons on board.

**T6:** SP (NAVY) informs track of the ship which is entering Italian TTW (Lampedusa).

IT authorities conduct interdiction.

**Expected results.**

**Partners Involved.**

BMM:

Greece – Coast Guard.

Italy –Ministry of Interior, Guardia di Finanza, Coast Guard, ASI.

Malta – Defence.

Spain – Defence.

Others

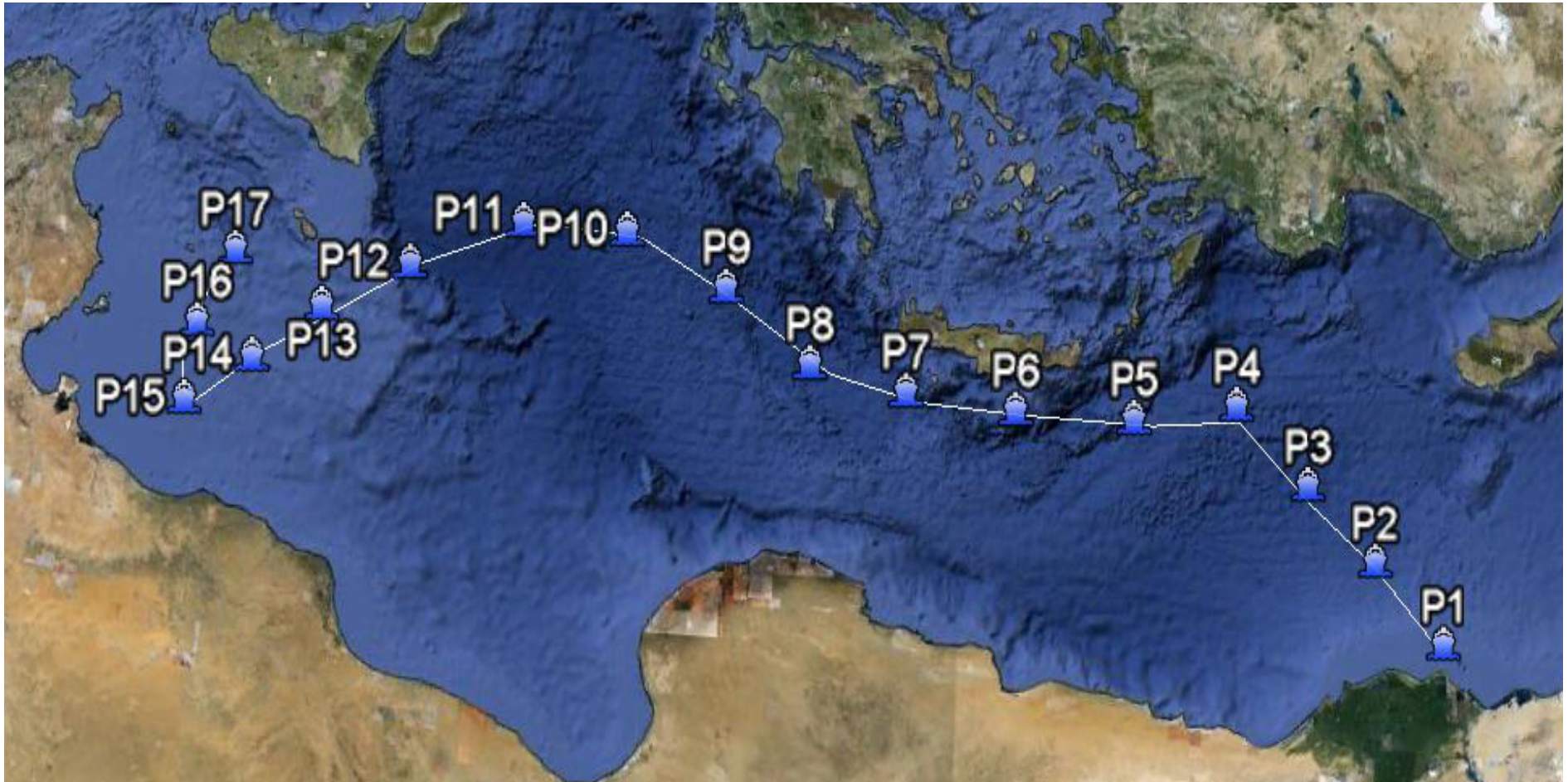
EUROPOL

**Comments.**



POSITION	P10	P11	P12	P13	P14	P15	P16	P17
TIME	03D21H00	04D02H00	04D07H00	04D12H00	04D16H00	04D21H00	06D21H00	07D05H00
EVENT	Diverting from planned route and heading towards Malta(AIS / LRIT are switched off from now on)			Approaching Lybian Coastline		Anchoring within Lybian TTW.	Approaching Italian TTW.	





### 3.2. General Animation Plan.

Nº VIGNETTE/ INJECTION	TIME REFERENCE (Date & Time)	KEY EVENT (Description)	SERVICE REQUESTED / PUBLICATION. (Note 1)	INFO EXCHANGE REQUESTED / PUBLICATION. (Note 2)	SOURCE OF INFORMATION. (Asset providing info)	BMM NODES INVOLVED. (Note 3)	SHIPS POSITION
T0	01D21H00	All the BMM Partners will subscribe to the SBCMP and the Data Augmentation Services on the scenario area	Set Subscription to BMM services. Provide Tracks: Publish S1.	Share Tracks.(Req.5.2)	All PN back-end system	All PN	n.a.
T1	01D22H00	Italian Ministry of Interior get intelligence info from EUROPOL	Provide Alert: Publish S4	Distribute Alerts (Req.5.5)	SIA System data injection (alert) (IT INT)	IT INT	P1
T1	01D22H30	IT PN provides satellite data to all the BMM community	Provide Tracks: Publish S4.	Share Satellite Data (Req.5.5)	CSK ship detection reports injection (IT ASI)	IT ASI	P1
T2	02D03H00 – 03D21H00	IT, GR (Coast Guard) PN confirms and updates the ship track information. SP (SASEMAR) provides LRIT.	Provide Tracks: Publish S1. Provide Tracks and Track Data: Publish S4	Share Tracks (Req.5.2) Share Track Info (Req.5.5) Share Satellite Data (Req.5.5)	VTS/AIS System data injection (GR CG) LRIT (SP SASEMAR) CSK ship detection reports injection (IT ASI) Navy Patrolling data injection (IT)	GR CG SP SASEMAR IT MMI IT ASI	P2-P10
T3	04D02H00	IT, MT & GR exchange regional track information services to detect unidentified vessels in the area	Provide Tracks: Publish S1. Provide Regional Tracks: Publish S2	Share Tracks (Req.5.2) Share Regional Tracks (Req.5.3)	AIS System data injection. (MT) Coastal Radar, Navy Patrolling,	MT IT GdF IT MMI IT CP	P11

			Provide Tracks and Track Data: Publish S4	Share Track Info (Req.5.5) Share Satellite Data (Req.5.5)	AIS, LRIT, VTS CSK ship detection reports data injection (IT)	IT ASI	
<b>T3</b>	<b>04D03H00</b>	IT PN provides information collected by GdF ATR 42 during an air-sea exploration mission	Provide Track Data: Publish S4.	Share Track Info (Req.5.5)	ATR 42	IT GdF	P11
<b>T3</b>	<b>04D03H05</b>	Italian PN (Ministry of Interior) confirms alert on the detected ship to all the BMM community	Provide Alert: Publish S4	Distribute Alerts (Req.5.5)	SIA System data injection (alert) (IT INT)	IT INT	P11
<b>T4</b>	<b>04D07H00 – 04D16H00</b>	IT & MT confirm and updates the ship track information	Provide Tracks: Publish S1. Provide Tracks and Track Data: Publish S4	Share Tracks (Req.5.2) Share Track Info (Req.5.5) Share Satellite Data (Req.5.5)	AIS System data injection (MT)  Coastal Radar, Navy Patrolling, AIS, LRIT, VTS CSK ship detection reports data injection (IT)	MT IT GdF IT MMI IT CP IT ASI	P12-P14
<b>T5</b>	<b>04D21H00 – 06D21H00</b>	IT & SP PN provides information collected by navy ship conducting patrolling operations in the area (AIS information, picture of MV taking persons on board)	Provide Tracks and Track Data: Publish S4	Share Track Info (Req.5.5)	Navy Patrolling data injection (IT)	IT MMI	P15
<b>T5</b>	<b>04D21H00 – 06D21H00</b>	IT PN provides satellite data to all the BMM community	Provide Tracks: Publish S4.	Share Satellite Data (Req.5.5)	CSK ship detection reports injection (IT ASI)	IT ASI	P15
<b>T6</b>	<b>06D21H00 – 07D05H00</b>	SP PN provides regional tracking information service to PN on the suspected vessel as it approaching Italian TTW	Provide Regional Tracks: Publish S2	Share Regional Tracks (Req.5.3)			P15-P17
<b>T6</b>	<b>06D21H00 – 07D05H00</b>	IT PN provides satellite data to all the BMM community	Provide Tracks: Publish S4.	Share Satellite Data (Req.5.5)	CSK ship detection reports injection (IT ASI)	IT ASI	P16-P17

<b>T6</b>	<b>07D05H00</b>	IT PN confirm and updates the ship track information	Provide Tracks: Publish S1. Provide Tracks and Track Data: Publish S4	Share Tracks (Req.5.2) Share Track Info (Req.5.5) Share Satellite Data (Req.5.5)	Coastal Radar, Navy Patrolling, AIS, LRIT, VTS CSK ship detection reports data injection (IT)	IT GdF IT MMI IT CP	P16-P17
<b>T6</b>	<b>07D05H00</b>	IT (Ministry of Interior) confirms alert (intervention on-going) to all the BMM community including data collected during the police operation	Provide Alert: Publish S4	Distribute Alerts (Req.5.5)	SIA System data injection (alert) (IT INT)	IT INT	P17

Note 1: System Services to be checked in accordance with annex II of the BMM Demonstration Plan and latest version of the BMM Systems 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)
IT (GdF)	T0	01D21H00	n.a.	Set Subscription. Provide AIS Track. Publish S1	Share Tracks (Req.5.2)
IT (GdF)	T3	04D02H00	P11	Provide AIS Tracks: Publish S1.	Share Tracks (Req.5.2)
IT (GdF)	T3	04D03H00	P11	Provide ATR42 Track Data: Publish S4	Share Track Info (Req.5.5)
IT (GdF)	T4	04D07H00 – 04D16H00	P12-P14	Provide AIS Tracks: Publish S1.	Share Tracks (Req.5.2)
IT (GdF)	T6	06D21H00 – 07D05H00	P16-P17	Provide AIS Tracks: Publish S1.	Share Tracks (Req.5.2)
IT (INT)	T1	01D22H00	P1	Provide Data Augmentation: Publish S4	Distribute Alerts (Req.5.5)
IT (INT)	T3	04D03H05	P11	Provide Data Augmentation: Publish S4	Distribute Alerts (Req.5.5)
IT (INT)	T6	07D05H00	P17	Provide Data Augmentation: Publish S4	Distribute Alerts (Req.5.5)
IT (ASI)	T1	01D22H30	P1	Provide CSK Tracks: Publish S4.	Share Satellite Data (Req.5.5)
IT (ASI)	T2	02D03H00 – 03D21H00	P2-P10	Provide CSK Tracks: Publish S4.	Share Satellite Data (Req.5.5)
IT (ASI)	T3	04D02H00	P11	Provide CSK Tracks: Publish S4.	Share Satellite Data (Req.5.5)
IT (ASI)	T4	04D07H00 – 04D16H00	P12-P14	Provide CSK Tracks: Publish S4.	Share Satellite Data (Req.5.5)
IT (ASI)	T5	04D21H00 – 06D21H00	P15	Provide CSK Tracks: Publish S4.	Share Satellite Data (Req.5.5)
IT (ASI)	T6	06D21H00 – 07D05H00	P16-P17	Provide CSK Tracks: Publish S4.	Share Satellite Data (Req.5.5)

IT (MMI)	T0	<b>01D21H00</b>	n.a.	Set Subscription. Provide AIS Track and Coastal Radar data: Publish S1	Share Tracks (Req.5.2)
IT (MMI)	T2	<b>02D03H00 – 03D21H00</b>	P2-P10	Provide Navy Patrolling Tracks Data: Publish S4	Share Track Info (Req.5.5)
IT (MMI)	T3	<b>04D02H00</b>	P11	Provide AIS Track and Coastal Radar data: Publish S1. Provide Navy Patrolling Tracks Data: Publish S4	Share Tracks (Req.5.2) Share Track Info (Req.5.5)
IT (MMI)	T4	<b>04D07H00 – 04D16H00</b>	P12-P14	Provide AIS Track and Coastal Radar data: Publish S1. Provide Navy Patrolling Tracks Data: Publish S4	Share Tracks (Req.5.2) Share Track Info (Req.5.5)
IT (MMI)	T5	<b>04D21H00 – 06D21H00</b>	P15	Provide Navy Patrolling Tracks Data: Publish S4	Share Track Info (Req.5.5)
IT (MMI)	T6	<b>06D21H00 – 07D05H00</b>	P16-P17	Provide AIS Track and Coastal Radar data: Publish S1. Provide Navy Patrolling Tracks Data: Publish S4	Share Tracks (Req.5.2) Share Track Info (Req.5.5)
IT (CP)	T0	<b>01D21H00</b>	n.a.	Set Subscription. Provide AIS, LRIT, VTS Tracks: Publish S1 Provide VTMS Track Data	Share Tracks (Req.5.2) Share Track Info (Req.5.5)
IT (CP)	T3	<b>04D02H00</b>	P11	Provide AIS, LRIT, VTS Tracks: Publish S1 Provide VTMS Track Data	Share Tracks (Req.5.2) Share Track Info (Req.5.5)
IT (CP)	T4	<b>04D07H00 – 04D16H00</b>	P12-P14	Provide AIS, LRIT, VTS Tracks: Publish S1 Provide VTMS Track Data	Share Tracks (Req.5.2) Share Track Info (Req.5.5)
IT (CP)	T6	<b>06D21H00 – 07D05H00</b>	P16-P17	Provide AIS, LRIT, VTS Tracks: Publish S1 Provide VTMS Track Data	Share Tracks (Req.5.2) Share Track Info (Req.5.5)

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