SCENARIO											INJECTION							
Step	Day / Time	Time Window Duration	Ship Position (ID)	Ship Position (Latitude)	Ship Position (Longitude)	Ship Position (Course)	Origin Country	Type of Sensor	Target Ship Behaviour	Demonstration Highlights	National Agency Playing	Involved Assets Interface	Data Injection	Real or Simulated Data	Basic or Sensitive	Supposed BMM Node Playing	Real BMM Primary Node Playing	Common Service Request / Publication
T0	01D21H00	10min	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Partners login, Operative Network, SBCMP Creation	n.a.	n.a.	n.a.	n.a.		n.a.	n.a.	n.a.
T1	01D22H00	5min	P1	31° 36' 43"N	31° 55' 52"W	317,0677963	IT	6 - INTEL	Crossing Suez Channel	Italian Ministry of Interior gets intelligence info, publishes an alert on MV Fortress and asks reinforced monitoring including satellite monitoring	IT MoI	SIA back-end system interface	Illegal Trafficking Alert	Notification of Suspect Ship on identified ship		IT PN	IT PN	Data Augmentation
												Federated Chat	Notification Message	Predefined Chat Message		IT PN	IT PN	Notification
												Web Portal	n.a.	n.a.		IT PN	IT PN	WideAreaRapidMapping Request
T2	02D03H00		P2	32° 35' 0"N	30° 51' 32"W	315,0469645			Approaching Greek TTW									
	02D09H00	10min	P3	33° 27' 25"N	29° 48' 47"W	314,4696396	SP	3 - LRIT		Spain provide LRIT report (MV Fortress is sailing to Barcellona)	SP SASEMAR	SASEMAR back-end system interface	LRIT track	LRIT Data MV Fortress Simulated LRIT Data		SP PN	SP PN	
										Italian Ministry of Interior provide notification that the suspected target has been detected on SBCMP	IT MoI	Federated Chat	Notification Message	Chat messages		IT PN	IT PN	Notification
	02D14H00		P4	34° 20' 46"N	28° 42' 55"W	265,0949869												
	02D19H00	5min	P5	34° 13' 20"N	27° 7' 23"W	273,8641834	IT	4 - SAR		Italy (ASI) provide Satellite Data (CSK Ship Detection Report)	IT ASI	CSK back-end system interface	CSK Ship Detection Reports CSK HR Images Mosaic (total 300 Km x 300 Km) in the area	Ship Detection Reports, Simulated Ship Detection Report for the Fortress		IT PN	IT PN	WideAreaRapidMapping Response
	03D01H00		P6	34° 18' 34"N	25° 19' 41"W	277,7024555												
T3	03D06H00	10min	P7	34° 28' 55"N	23° 41' 25"W	290,0254212	GR	2 - AIS	Transiting GR TTW on a normal trade route	Greek Coast Guards detects the ship and put it in the picture	GR Coast Guard	Track Data injection portlet	VTS/AIS track data	Tracks Data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		GR SN	IT PN	
										Italian Ministry of Interior provide notification to BMM authorized partner that the suspected target has been detected on SBCMP	IT MoI	Federated Chat	Notification Message	Chat messages		IT PN	IT PN	Notification
	03D11H00	5min	P8	34° 54' 20"N	22° 15' 6"W	306,016354	GR	2 - AIS		Normal monitoring by Greek Coastguard is reinforced by patrolling (Italian Navy) and Satellite acquisitions (ASI)	GR Coast Guard	Track Data injection portlet	VTS/AIS track data	Tracks Data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		GR SN	IT PN	
											IT ASI	CSK back-end system interface	CSK Ship Detection Reports CSK HR Images Mosaic (total 300 Km x 300 Km) in the area	Ship Detection Reports, Simulated Ship Detection Report for the Fortress		IT PN	IT PN	WideAreaRapidMapping Response
	03D16H00	10min	P9	35° 40' 17"N	20° 56' 56"W	285,7096087	n.a.	n.a.		AIS / LRIT are switched off from now on. Normal monitoring fails (because the ship diverts from normal routes and switches off AIS / LRIT). MV Fortress SBCMP track is lost	GR Coast Guard	Track Data injection portlet	VTS Track	Tracks Data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		GR SN	IT PN	
										Italian Ministry of Interior provide notification to BMM authorized partner that the suspected target has been lost on SBCMP and asks for extended search in the area	IT MoI	Federated Chat	Notification Message	Chat messages		IT PN	IT PN	Data Augmentation
T4	03D21H00	25min	P10	36° 1' 4"N	19° 23' 18"W	270,2327535	IT	4 - SAR 5 - RADAR 7 - VISUAL	Diverting from planned route and heading towards Lybia through Italian and Maltese TTW	IT Navy exploits a Naval Patrol active in the area and gets radar tracks in the area, the FORTRESS track is detected but not identified	IT MMI	CSC back-end system interface	Radar Tracks from Naval Patrolling	tracks data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		IT PN	IT PN	
										IT Coast Guard detects the MV Fortress track but without identifying	IT Coast Guard	VTMIS Interface (TBC)	Radar Tracks	tracks data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		IT PN	IT PN	
										MV Fortress is detected by Satellite Acquisition but withouth identification	IT ASI	CSK back-end system interface	CSK Ship Detection Reports	Ship Detection Reports, Simulated Ship Detection Report for the Fortress		IT PN	IT PN	
										Based on the SBCMP enrichment, IT GdF commands an Air Patrol active in the area to survey the expected "Fortress" ship, however the tracks are not identified (alternate option: one of the tracks is visually identified as the MV Fortress)	IT GdF	C4I back-end system interface	Radar Tracks from Airborne Patrolling	tracks data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		IT PN	IT PN	
	04D02H00	25min	P11	36° 0' 44"N	17° 46' 4"W	245,9617526	IT	4 - SAR 5 - RADAR 7 - VISUAL		Italian Ministry of Interior provide notification to BMM authorized partner that the suspected target has been detected and identified "beyond reasonable doubts" thanks to assets cooperation on the SBCMP. IT MoI requests all authorities + Malta AF to track the Fortress until the police operation can start	IT MoI	Federated Chat	Notification Message	Chat messages		IT PN	IT PN	Notification
	04D07H00	10min	P12	34° 53' 29"N	14° 48' 59"W	232,3130646	IT MT	4 - SAR 5 - RADAR 7 - VISUAL		IT GdF, Navy and Coast Guard continue monitoring. Track updates are provided by MT AF. The surveillance is reinforced by Satellite acquisitions (TBC could be not strictly needed)	IT GdF	C4I back-end system interface	Radar Tracks from Airborne Patrolling	tracks data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		IT PN	IT PN	
											IT MMI	CSC back-end system interface	Radar Tracks from Naval Patrolling	tracks data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		IT PN	IT PN	
											IT Coast Guard	VTMIS Interface (TBC)	Radar Tracks	tracks data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		IT PN	IT PN	
											MT AF	Track Data injection portlet	VTS Track	Tracks Data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		MT SN	IT PN	
											IT ASI	CSK back-end system interface	CSK Ship Detection Reports	Ship Detection Reports, Simulated Ship Detection Report for the Fortress CSK HR Images Mosaic (total 300 Km x 300 Km) in the area		IT PN	IT PN	WideAreaRapidMapping Response
T5	04D12H00		P13	34° 14' 29"N	13° 48' 36"W	235,7216525												
	04D16H00	5min	P14	33° 40' 19"N	12° 49' 4"W	3,523193555	IT	4 - SAR	Approaching Lybian Coastline		IT ASI	CSK back-end system interface	CSK Ship Detection Reports	Ship Detection Reports, Simulated Ship Detection Report for the Fortress		IT PN	IT PN	
T6	04D21H00	5min	P15	34° 31' 43"N	12° 52' 53"W	24,98111938	IT	4 - SAR 5 - RADAR 7 - VISUAL	Anchoring within Lybian TTW	Monitoring is kept regular by patrolling (Italian Navy and GdF) and Satellite acquisitions (ASI). When the Fortress stops, IT MOI requests optical satellite coverage to CNES to better understand the situation. The Pleiades images help understand a immigrants flow on the lybian coastline	IT GdF	C4I back-end system interface	AIR Patrolling Radar Track	Air Patrol data		IT PN	IT PN	
											IT MMI	CSC back-end system interface	Patrolling Radar Track	Patrolling Radar Data		IT PN	IT PN	
											IT MOI	Web Portal	n.a.	n.a.		IT PN	IT PN	WideAreaRapidMapping Request
											FR CNES	PLEIADES back-end system interface	PLEIADES Image	PLEIADES Image		FR PN	FR PN	WideAreaRapidMapping Response
	06D21H00		P15	34° 31' 43"N	12° 52' 53"W	24,98111938												
	07D01H00	25min	P16	35° 22' 5"N	13° 21' 34"W	0	IT MT	4 - SAR 5 - RADAR 7 - VISUAL	Approaching Italian TTW and Interdiction	Monitoring is kept high (by patrolling and satellite TBC) until the ship is locked by Italian VTS / Coastal Surveillance and the interdiction operation is launched	IT GdF	C4I back-end system interface	Air Patrolling Radar Tracks	AIS data Air Patrol data		IT PN	IT PN	
											IT MMI	CSC back-end system interface	Patrolling Radar Tracks	Coastal Radar data Patrolling Radar Data		IT PN	IT PN	
											IT Coast Guard	VTMIS Interface (TBC)	Radar Tracks	tracks data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		IT PN	IT PN	
											MT AF	Track Data injection portlet	VTS Track	Tracks Data (in proximity of the expected Fortress position) + Simulated Track Data for the MV Fortress		IT PN	IT PN	
											FR CNES	PLEIADES back-end system interface	PLEIADES Image	PLEIADES Image		FR PN	FR PN	WideAreaRapidMapping Response

77											IT ASI	CSK back-end system interface	CSK Ship Detection Reports	Ship Detection Reports, Simulated Ship Detection Report for the Fortress CSK HR Images Mosaic (total 300 Km x 300 Km) in the area	IT PN	IT PN	WideAreaRapidMapping Response
	07D03H00	15 min	P16	35° 22' 5"N	13° 21' 34"W	0	IT	6 - INTEL	Start of Police operation	Italian Ministry of Interior informs the authorized BMM partner that an interdiction mission is started	IT MoI	Federated Chat	Notification Message	Chat messages	IT PN	IT PN	Notification
										Italian Ministry of Interior transforms the alert into an "on-going operation" alert	IT MoI	SIA back-end system interface	On Going Operation Alert	Report on Police Force operation on Suspected Ship	IT PN	IT PN	Data Augmentation
	07D05H00	15min	P17	35° 22' 5"N	13° 21' 34"W	0	IT	6 - INTEL	Closing of Police operation	Italian Ministry of Interior informs the authorized BMM partner that the Police operation is closed	IT MoI	Federated Chat	Notification Message	Chat messages	IT PN	IT PN	Notification
										Italian Ministry of Interior closes the alert and provide the authorized BMM partner with information collected during the interdiction	IT MoI	SIA back-end system interface	Illegal Trafficking Alert	Report on Police Force operation on Suspected Ship	IT PN	IT PN	Data Augmentation
	Total	**180 min**															