

THE-DISASTER ACTION PLAN FOR MBSHC

(as approved at MBSHC-23, Ljubljana, Slovenia, April 2022 and as a result of MBSHC CL 11, October 2023)

In case a disaster happens within the region;

1. The Chair shall be responsible for co-ordinating the actions needed.

The Chair will communicate, by the quickest means available, with the relevant focal points (preferably the Heads of the Hydrographic Offices) of the States in Table-1, in order to make an initial evaluation of the extent of the damage and the actions required (e.g. re-survey of the navigationally most sensitive areas, promulgation of MSI etc.-see resolution 1/2005, as amended).

2. The Chair shall ask the State(s) affected for the official request of support and cooperation in context of Table-2.

3. In case of an official request is received, the Chair shall ask the focal points what assistance could be provided iaw Table-2 and decide, based on the information collected, whether an extraordinary meeting of the MBSHC is needed or not, in order to discuss in detail the problems, evaluate the damage and respond to requests for support.

4. The Chair shall inform the IHO Secretariat on the situation, the actions taken and the need, if any, for external support.

5. The Chair shall monitor the progress of the actions agreed in the area and keep the MBSHC States and the IHO Secretariat informed accordingly.

6. The Chair shall include this issue as a permanent agenda item in the MBSHC meetings in order to monitor the readiness of the Commission to respond to disasters, conducting regular table-top exercises to evaluate the procedures and revise the plan.

7. In case of the disaster occurs in State the Chair and he/she is unable to perform his/her duties, the Vice Chair of the last meeting will act as the Chair.

Note: If any Bilateral/Multilateral Support and Cooperation Protocol exists on this matter, it should be annexed to the plan.

TABLE 1: Focal Points of the MBSHC States

MBSHC States	Name and Surname	Phone	Mobile Phone	Fax	e-mail	Note
Albania (AL)	CDR. Artan MALO	512 1056	+355677336555	/	artan.malo@aaf.mil.al artan79.malo@gmail.com	
Algeria (DZ)						
Bulgaria (BG)	<p>Capt Nikolay Nikolov Head of Bulgarian Navy Hydrographic Service (BNHS) Bulgarian Ports Infrastructure Company - Varna - Bourgas</p> <p>Capt. Milen Todorov Vessel Traffic Services Authority - Varna -Bourgas Adm (Ret.) Rumen Nikolov Maritime Rescue Coordination Centre</p>	<p>+359 52 552097 +359 52 552036 +359 52 552414</p> <p>+359 52 684 611 +359 56 876 880</p> <p>+359 52 685942 +359 52 678988</p> <p>+359 52 603113 +359 56 844311 +359 52 633067 +359 52 603268</p> <p>Inmarsat: 420722210</p>	+359 88 8952113	<p>+35952552036 +35952655902 +35956876880</p> <p>+35952632832 +35952603265</p>	<p>hs_navy@armf.bg hs_varna@abv.bg office.varna@bgports.bg office.bourgas@bgports.bg g.m.todorov@bgports.bg office.vtmis@bgports.bg www.vtmis.bg mrcc@marad.bg</p>	<p>Bulgarian Navy Hydrographic Service (BNHS) BPIC provides: -services through the Global Maritime Distress & Safety System (GMDSS); - telecommunication ship- shore/ shore-ship services; - services pertinent to traffic control and information support of shipping; - hydrometeorological information.</p> <p>MRCC is the national rescue centre for distress, accidents and pollution at sea in the Bulgarian Search and Rescue Region. According the National Plan for places of refuge for ships in need of assistance, MRCC is a Single point of contact for ships, which need help in the internal Waters and in the territorial sea of Republic of Bulgaria. MRCC Varna is on duty 24/7, 365 days a year-</p>

						BPIC provides: -services through the Global Maritime Distress & Safety System (GMDSS); - telecommunication ship-shore/ shore-ship services; - services pertinent to traffic control and information support of shipping; - hydrometeorological information.
Croatia (HR)		+385(0)21308803		+385(0)21347242	office@hhi.hr	
Cyprus (CY)	Georgios Kokosis	+35722408709	+35796385901	0035722374749	gkokosis@dls.moi.gov.cy	
Egypt (EG)						
France (FR)	Capt. Pierre-Yves DUPUY	+33 2 56 31 24 04	+33 6 38 78 59 55/		dmi-d@shom.fr and cfud-coordination@shom.fr	Shom - Head of Public Services and International Relations Directorate
Georgia (GE)						
Greece (GR)	Dimitrios Efstathiou	+30 210 6551773	+30 6947159169		director_hnhs@navy.mil.gr	Hellenic Navy Hydrographic Service Director
Italy (IT)	Massimiliano Nannini	0039 010244370			massimiliano.nannini@marina.difesa.it	
Lebanon (LB)						
Malta (MT)	Capt. Mark A. Chapelle	+356 2291 4455	+356 99494318	N/A	Mark.chapelle@transport.gov.mt	
Monaco (MC)	BOUCHET Pierre	00 377 98 98 22 94	06 07 93 17 99	98 98 22 81	pbouchet@gouv.mc	
Montenegro (MN)						
Morocco (MA)	Commodore Khalid LOUDIYI	+212666593805	+212612489316	-	dhoc-cdiv-mr@far.ma	
Romania (RO)	Capt. Nicolae VATU	+40241651040	+40724011919	+40241513065	hidro@dhmfn.ro	
Russian Federation (RF)						
Serbia (RS)						
Slovenia (SI)						
Spain (ES)	CAPTAIN Salvador Espinosa González-Llanos	+34956599391	+34660165932		IHMESP@FN.MDE.ES SESPINOSA@FN.MDE.ES	
Syria (SY)						
Tunisia (TN)						

Turkey (TR)						
Ukraine (UA)	Mykhailo CHEREPYNETS (Acting Head of the SHSU) (as of 4 December 2023)	+38 044 296 6040		+38 044 296 6040	office@hydro.gov.ua	
Associate members						
Israel (IS)						
Palestinian authority (PA)						
United Kingdom (UK)	Nick Rodwell	+44 (0)1823484444	07771 387634		Nick.Rodwell@UKHO.gov.uk IBTE@ukho.gov.uk	
United States (USA)						
Observers						
Germany (GE)						

TABLE-2: Means of Support and Cooperation

MBSHC States	Evaluating Team for Hydrographic Damage and Support	Hydrographic Survey			Chart Production		MSI Promulgation		Note
		Survey vessel	Survey team	Equipment	Paper Chart	ENC	NAVTEX	SafetyNET	
Albania (AL)									
Algeria (DZ)									
Bulgaria (BG)				SBES* - Side Scan Sonar* - Sound velocity profiler* - GPS Topography			Via Varna NAVTEX - J	Through NAVAREA III	Request must be done to the Bulgarian Ministry of Defence. *A cutter or a small autonomous surface boat is needed
Croatia (HR)	A team of 4 hydrographers managed by HHI with hydrographic equipment can be activated by the competent state authority for disaster management, and be on site in a short period of time. The team is able to survey, to process data and to generate rapid bathymetric sheets for urgent needs.	Two hydrographic vessels can be engaged only in the sea area under the jurisdiction of the Republic of Croatia. For deployment in another sea area, it needs to be approved by the competent state authority.	Four hydrographers for conducting survey.	-MBES -SBES -Side Scan Sonar - Magnetometer GNSS positioning -tide gauges -sound velocity profiler -SBP -ROV			Via Croatian Split NAVTEX Station	Through NAVAREA III	
Cyprus (CY)	-	-	+	-	-	-	+	-	
Egypt (EG)									
France (FR)	One deployable survey team operated by Shom can be activated under French Navy	If a French hydrographic vessel is	Military staff: officers and	- MBES - SBES - Side Scan	The preparation of NATO	Shom has capability to	French NAVTEX station La	/	<u>Reconnaissance / assessment flights:</u> To be requested through the

	authorities command. The team is composed with 3 persons (mil.). Used equipment: MBES, SBES, side scan sonar, topography by GPS. The team is able to survey, to process data and to generate rapid bathymetric sheets for urgent needs. The deployment of this equipment requires the supply of a craft such as inflatable boat.	deployed in the region for conventional surveys, possibility of rerouting it to realize recognition and regular bathymetric surveys.	Navy petty-officers	Sonar - Marine magnetometer - sediment sampling bucket - tide gauges - current meters - GPS Topography - Divers	AMLs or Satellite/nautical chart compilation can be done by Shom as part of the Rapid Environmental Assessment.	produce ENC's	Garde non-operational		French Ministry for the Armed Forces. Non-permanent Lidar capacity owned by Shom. <u>Assessment using satellite imagery, including satellite-derived bathymetry:</u> Assessment of satellite imagery of coastlines or harbours can be done by Shom, subject to release of imagery to Shom or availability of post disaster open data imagery. Potential request of imagery can be done by Shom to the French Ministry of Defence. The SDB capacity at Shom is currently under development.
Georgia (GE)									
Greece (GR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes*	Yes*	* Through NAVAREA III Coordinator whenever needed
Italy (IT)	Three pax	1 + 1 optional	1	MBES, SSS and topographic LiDAR					1 rhib or 1 boat in function of the area and the situation
Lebanon (LB)									
Malta (MT)	Malta Hydrographic Office & University of Malta	YES - 1	YES - 1	YES	YES	YES	YES	NO	Can provide more details upon request
Monaco (MC)	nil	nil	nil	nil	See note	See note	See note	See note	Administrative arrangement with France (SHOM) (in attach)
Montenegro (MN)									
Morocco (MA)							x	x	Morocco needs a support from the IHO to install a NAVTEX OR SafteyNET station to transmit its navigation warnings
Romania (RO)	A survey team with 3 persons operated by MHD can be activated under Romanian Navy's command. The team is able to survey, to process data and to generate rapid bathymetric sheets for urgent needs. The equipment requires a boat	Only with the previous permission of MINISTRY OF NATIONAL DEFENCE	Military and civilian personnel	- SBES - Side Scan Sonar - Marine magnetometer - current meters - GPS - Topography	Yes, once received the information	Yes, once received the information			

	or an inflatable boat to be installed on.	OF ROMANIA							
Russian Federation (RF)									
Serbia (RS)									
Slovenia (SI)									
Spain (ES)	<p>A team of 6 hydrographers with hydrographic equipment can be sent for a quick disaster response in a short period of time, when it is requested.</p> <p>A Spanish survey vessel with two survey boats could be provided in case of an official request is received through Defence Ministry.</p>	Only with previous permission of Defence Minister	Yes, 3 hydrographers to conduct surveys with the small autonomous vehicle and 6 hydrographer for their integration with another unit/survey team	A small autonomous surface boat with its equipment for ports (multibeam echo sounder, sound velocity profiler, GNSS positioning and IMU) and hardware/software to acquire and process all data.	Yes, once received the information	Yes, once received the information	Yes	Yes	<p>Spain is the NAVAREA III coordinator and broadcasts 24h 7 days a week all urgent messages received of MS, related to Navigation safety, via INMARSAT & IRIDIUM satellite COMMS about Mediterranean and Black sea waters.</p> <p>Furthermore, IHM will retransmit to the national coordinator of NAVTEX (SASEMAR) the information received from the radio warning coordination centre Originating the emergency.</p>
Syria (SY)									
Tunisia (TN)									
Turkey (TR)									
Ukraine (UA)		YES	YES	YES	YES	YES	YES	YES	
Associate members									
Israel (IS)									
Palestinian authority (PA)									
United Kingdom (UK)	<p>A deployable survey team operated by the Royal Navy could be activated. The team can survey, process data and generate rapid bathymetric sheets to support urgent needs. MOD authorisation would be required.</p> <p>UKHO may have surveying contractors in the region that could be redeployed at short notice to support any requested work. Funding would need to be secured.</p>				Yes	Yes			<p><u>Reconnaissance / assessment flights</u></p> <p><u>If the UK has an on-station military maritime asset that is capable of (deploying with and launching) helicopter operations, this is something that could be done.</u></p> <p><u>MOD authorisation would be required.</u></p> <p><u>Assessment using satellite imagery, including satellite-derived bathymetry (subject to data sharing restrictions and availability of data):</u></p> <p><u>Pre/post event imagery of</u></p>

