THE-DISASTER ACTION PLAN FOR MBSHC

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
22.09.2022. update

MBSHC States	Name and Surname	Phone	Mobile Phone	Fax	e-mail	Note
Algeria (DZ)						
Bulgaria (BG)	CDR Atanas Dimitrov Head of BNHS	+359 52 552097 +359 52 552036 +359 52 552414		+35952552036	hs_navy@armf.bg hs_varna@abv.bg	Bulgarian Navy Hydrographic Service (BNHS)
	Bulgarian Ports Infrastructure Company - Varna - Bourgas Capt. Milen Todorov Vessel Traffic Services Authority - Varna Bourgas	 +359 52 684 611 +359 56 876 880 +359 52 685942 +359 52 678988 +359 52 603113 +359 56 844311		 +359 52 655 902 +359 56 876 880 +359 52 632832	 office.varna@bgports.bg office.bourgas@bgports.bg m.todorov@bgports.bg office.vtmis@bgports.bg www.vtmis.bg	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.
	Adm (Ret.) Rumen Nikolov Maritime Rescue Coordination Centre	 +359 52 633067 +359 52 603268 Inmarsat: 420722210	+359 88 8952113	+359 52 603265	mrcc@marad.bg	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.
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)	Commander Salvador Espinosa González-Llanos	+34 956599391	+34 660165932	----	ihmesp@fn.mde.es	
Syria (SY)						
Tunisia (TN)						
Turkey (TR)						
Ukraine (UA)	Oleksandr SHCHYPTSOV	+38 044 296 6040 *		+38 044 296 6040	office@hydro.gov.ua	* Due to current martial law, the voice telephony is available on Mon, Wed, Fri 9 a.m. to 5 p.m. (GMT+3)
Associate members						
Israel (IS)						
Palestinian authority (PA)						
United Kingdom (UK)	Jackie Sydenham	+44 (0) 1823 483904	+44 (0) 1823 484444	-	Jackie.Sydenham@UKHO.gov.uk International.Relations@ukho.gov.uk InternationalPartnering&Engagement@UKHO.gov.uk	
United States (USA)						
Observers						
Albania (Al)						
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	
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 authorities command.	If a French hydrographic vessel is deployed in	Military staff: officers and Navy petty-	- MBES - SBES - Side Scan Sonar	The preparation of NATO AMLs or	Shom has capability to produce	French NAVTEX station La Garde non-	/	Reconnaissance / assessment flights: To be requested through the French Ministry for the Armed

	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.	the region for conventional surveys, possibility of rerouting it to realize recognition and regular bathymetric surveys.	officers	- Marine magnetometer - sediment sampling bucket - tide gauges - current meters - GPS Topography - Divers	Satellite/nautical chart compilation can be done by Shom as part of the Rapid Environmental Assessment.	ENCs	operational		Forces. Non-permanent Lidar capacity owned by Shom. Assessment using satellite imagery, including satellite-derived bathymetry: 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 or an inflatable boat to be	Only with the previous permission of MINISTRY OF NATIONAL DEFENCE OF	Military and civilian personnel	- SBES - Side Scan Sonar - Marine magnetometer - current meters - GPS - Topography	Yes, once received the information	Yes, once received the information	-	-	

	installed on.	ROMANIA							
Russian Federation (RF)									
Serbia (RS)									
Slovenia (SI)									
Spain (ES)	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. A Spanish survey vessel with two survey boats could be provided in case of an official request is received through Defence Ministry.	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	Spain is the NAVAREA III coordinator and broadcasts 24h 7 days a week all urgent messages received of MS, related to navigation safety, via satellite. Furthermore, IHM will retransmit to the national coordinator of NAVTEX (SASEMAR) the information received from the radio warning coordination centre originating the emergency.
Syria (SY)									
Tunisia (TN)									
Turkey (TR)									
Ukraine (UA)		YES	YES	YES	YES	YES	YES	NO	
Associate members									
Israel (IS)									
Palestinian authority (PA)									
United Kingdom (UK)	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. 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.				Yes – dependent on the information	Yes – dependent on the information			<u>Reconnaissance / assessment flights</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. MOD authorisation would be required. <u>Assessment using satellite imagery, including satellite-derived bathymetry (subject to data sharing restrictions and availability of data):</u>

									Pre/post event imagery of coastlines, harbours and approaches. Damage Assessment Reports within a port for situational awareness (an interpretation by the imagery specialist to highlight visible damage to navigational aids/jetties/piers/buildings/cranes etc. as well as the presence of damaged vessels blocking approaches). <u>Creation of bespoke situational awareness maps:</u> This type of product can incorporate data such as raster charts/ENCs, satellite imagery, ground level imagery, marine geospatial information, textual description of changes. It would be subject to the availability of data.
United States (USA)									
Observers									
Albania (Al)									
Germany (GE)									