



MBSHC

DISASTER ACTION PLAN FOR MBSHC

The Disaster Response Framework

DFR

MBSHC24-06.8

Constanta, Romania
2 – 4 July 2024

MBSHC24-06.8



BACKGROUND

References:

- In circular letter number 03/2022 (March 11, 2022), MBSHC Chair has proposed the adoption of the text as the Disaster Response Framework (DFR) for MBSHC.
- During the plenary session of the MBSHC23, DFR was approved by Decision MBSHC23/03.
- By actions MBSHC23/03, MBSHC23/04, MBSHC23/05 and permanent action MBSHC PA/38, MBSHC established the activity of the commission and the member states to update the tables 1 & 2 annually and possibly review the content of the DFR *if and when* deemed necessary.



Key Achievements between two conferences

- First call for the update of the approved DFR tables 1 & 2 was made **by correspondence** on May 27, 2022 and concluded by September 22, 2022.
- Second call for the update of the approved DFR tables 1 & 2 was made by **CL 11/2023** and concluded with **CL 1/2024**.
- The tables 1 & 2 are updated and available at the official IHO web site available via the link – [annual update](#).



MBSHC



office

From: office <office@hhi.hr>
Sent: 27. svibnja 2022. 12:25
To: 'Abdallah HADOU'; 'Abderrahim KHOUKHTOU'; 'Afif GHAITH'; 'Alberto Fernández Ros'; 'Alexandre Zarkua'; 'Alexis HADJANTONIOU'; 'Andreas MICHPOULOS'; 'Andrei LUCACI'; 'Ashley Parker'; 'Ashraf Nabil EL-Assal'; 'Christian FAHED'; 'Christopher THORNE'; 'Chrysanthi Kleanthous'; 'Dimitrios EPSTATHIOU'; 'Dris LAKHEL'; 'Dušica Brnović'; 'Elvis CENKA'; 'Emre GÜLHER'; 'Emrush BEJDO'; 'Enrico Zanone'; 'Eric LE GUEN'; 'Erik BISCOTTI'; 'Georgios Georgopoulos'; 'Georgios KOKOSIS'; 'giokartve@gmail.com'; 'Godwin Louis Borg'; 'Gora Gora Hidrografija'; 'Gustavo GOMEZ-PIMPOLLO'; 'HAKAN KUSLARU LU'; 'Hassan EL-HALAWANY'; 'I Djoković'; 'IGOR KARNICNIK'; 'IHO Serbia'; 'Ionel TOADER'; 'J Muskatirović'; 'Jackie Sydenham'; 'James Carey'; 'James Timmins'; 'Jenna JOHNSON'; 'John LOWELL'; 'José Daniel GONZÁLEZ-ALLER LACALLE'; 'José María Bustamante Calabuig'; 'José María Cordero Ros'; 'Julien SMEECKAERT'; 'Karim TAGA'; 'Kayacan ÜNALP'; 'Khalid LOUDIYI'; 'Konstantinos Karagkounis'; 'LAURENT KERLEGUER'; 'Lucian DUMITRACHE'; 'Lucian DUTU'; 'Luigi SINAPI'; 'Luka Calic (luka.calic@meteo.co.me)'; 'Manana KIRTADZE'; 'MARK CHAPELLE'; 'Massimiliano NANNINI'; 'Matthew BORBASH'; 'Michelle Borg'; 'Mikael LE GLEAU'; 'Murdo Macdonald'; 'Nick SWADLING'; 'Nicola Marco PIZZEGHELLO'; 'Nicolae VATU'; 'Nicolas DAVID'; 'Nika Mimoshvili'; 'Nikolay LYASKOVSKI'; 'Nino Zaranđia'; 'Nunziante Langelotto'; 'Panagiotis GKIONIS'; 'PAUL ELLUL BONICI'; 'Phil Payne'; 'Philippe EGELE'; 'Philippe PELLAE-ARTHAUD'; 'Pierre-Yves DUPUY'; 'Radovan Kandić (radovan.kandic@meteo.co.me)'; 'Reva BABILUA'; 'Rhett Hatcher'; 'Salvador MORENO'; 'Santiago Rubén Diaz Portillo'; 'Secretary of Cyprus National Hydrographic Committee'; 'Sofiane TADJER'; 'Stanislav KARPENKO'; 'Ventseslav NIKOLOV'; 'Vesna DEŽMAN KETE'; 'Yves GUILLAM'; 'Vinka Kolic'; 'Anja Perkušić'; 'office'
Subject: DRF- update of the Table 1 and Table 2
Attachments: MBSHC23_2022_062A_EN_Revised_Draft_Disaster_Action_Plan (1) (003).docx

Dear colleagues,

Please find in the attachment the Disaster Response Framework (DRF) which is approved at the MBSHC23 according to the action MBSHC23/03.

We are inviting you to fulfill Table 1 and Table 2.

Please return fulfilled Table 1 and Table 2 to MBSHC Chair – e-mails: office@hhi.hr, anja.banovic@hhi.hr and vinka.kolic@hhi.hr by return e-mail, no later than 1th of July 2022.

Best regards,

Secretariat HHI (Croatia)
On behalf of the MBSHC Chair

Branka Muratovic, assistant director
Director's office
Hydrographic Institute of the Republic of Croatia
Zrinsko Frankopanska 161

HRVATSKI HIDROGRAFSKI INSTITUT		
Primljeno: 27.05.2022.		
Klasifikacijska oznaka: 910-04/22-02/14	Ustrojstvena jedinica	
Unutrbni broj: 561-22-1	Prilozi: 1	Vrijednost: 1

MEDITERRANEAN AND BLACK SEAS HYDROGRAPHIC COMMISSION

30 October, 2023

MBSHC CIRCULAR LETTER No 11/2023

Subject: The Disaster Response Framework, Annual Update

Reference:

- A. MBSHC Permanent Action No. 38 – “MS will update annually tables 1 & 2 of Disaster Response Framework”
- B. THE DISASTER ACTION PLAN FOR MBSHC (as approved at MBSHC-23, Ljubljana, Slovenia, April 2022)
- C. Art. 3.d of the Statutes of MBSHC (9th Edition, April 2022)

Dear colleagues,

- 1. The MBSHC Permanent Action No. 38 is tasked MBSHC Chair to initiate a procedure to update the Disaster Response Framework, Ref. B on yearly basis.
- 2. For the purpose as it is stated in the Ref. A, and previous paragraph, the tables 1 & 2 of Disaster Response Framework are attached.
- 3. As Chair of the MBSHC in accordance with the provision of Reference C, I kindly request you to provide updates/new information or just confirm the existing information for your country (link [Disaster Action Plan updated for 2022](#)).
- 4. Additionally, as noted at the bottom of reference B., if there is any Protocol on bilateral/multilateral support and cooperation related to this matter, please forward it so that it can be attached to the plan.
- 5. I would appreciate it if you could provide your feedback no later than December 11, 2023 by sending it to the MBSHC Secretariat office@hhi.hr.

Best regards,

Vinka KOLIC BUBIC, M.Sc.
MBSHC Chair
Director of the Hydrographic Institute of the Republic of Croatia



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MEDITERRANEAN AND BLACK SEAS HYDROGRAPHIC COMMISSION

10 January 2024

MBSHC CIRCULAR LETTER No 1/2024

Subject: The Disaster Response Framework, Annual Update

Reference:

- A. MBSHC CL 11, 30 October 2023.
- B. MBSHC Permanent Action No. 38 – “MS will update annually tables 1 & 2 of Disaster Response Framework”.

Dear colleagues,

- 1. The MBSHC CL 11 (Ref. A) initiated the procedure of updating the Disaster Response Framework in accordance with the MBSHC Permanent Action No. 38 (Ref. B).
- 2. As a result of procedure, the updated tables 1 & 2 of Disaster Response Framework are attached and will be published on the IHO web portal.

Best regards,

Vinka KOLIC BUBIC, M.Sc.

MBSHC Chair
Director of the Hydrographic Institute of the Republic of Croatia



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FEEDBACK

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.

MBSHC24-06.8



FEEDBACK

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	/	Reconnaissance / assessment flights: To be requested through the



FEEDBACK

	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 /rib 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)	A team of 6 hydrographers with hydrographic equipment can be sent for a quick disaster response in a short period of time, when 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	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 INMARSAT & IRIDIUM satellite COMMS about Mediterranean and Black sea waters. 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	YES	YES										
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	Yes	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> <u>Assessment using satellite imagery including satellite-derived bathymetry (subject to data sharing restrictions and availability of data).</u> <u>Pre/post event imagery of</u>								



FEEDBACK

									<p>coastlines, harbours and approaches.</p> <p><u>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></p> <p><u>Creation of bespoke situational awareness maps:</u></p> <p><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.</u></p>
United States (USA)									
Observers									
Germany (GE)									



MBSHC is invited to:

- Note the presentation.
- Continue to update DFR tables annually according to the MBSHC PA/38.
- Consider the need of a revision of this plan/DFR if deemed necessary.
- Take any other action deemed necessary.