

**20TH MEETING OF THE NORTH INDIAN OCEAN HYDROGRAPHIC COMMISSION
(NIOHC20)
Colombo, Sri Lanka, 13-15 July 2021**

NATIONAL REPORTS FROM BANGLADESH TO THE NIOHC20

Reference: IHO Resolution 2/1997 as amended

Executive summary

1. Hydrographic Office / Service:

- a) **Name of the Institution:** [*name of the institution submitting the report*] Bangladesh Navy Hydrographic Services
- b) **Description:** [*General description, including updates for the IHO Yearbook e.g., reorganization*]

Bangladesh Navy Hydrographic Service (BNHS) is vested with the responsibility of hydrographic survey in the coastal and offshore area of Bangladesh. Besides, Bangladesh Inland Water Transport Authority (BIWTA) conduct surveys in the inland waterways. The BNHS consists of a fleet of five survey ships and craft, Bangladesh Navy Hydrographic and Oceanographic Center (BNHOC) and BN Hydrographic School. Chairman, National Hydrographic Committee is the National Representative of Bangladesh. BN Chief Hydrographer is an Administrative Authority and is the Head of Hydrographic Office.

All the hydrographic activities of the country are coordinated through National Hydrographic Committee (NHC). Director Hydrography at Naval Headquarters coordinates the activities of NHC. The committee addresses the hydrographic and other related activities at the national level. Different ministries and stakeholders are the members of NHC. The Assistant Chief of Naval Staff (Operations) of Bangladesh Navy is the Chairman of that Committee. The Chairman of NHC is the National Hydrographer/ Equivalent.

- c) **Submitted by:** [*name and e-mail of the responsible for the report*]
Captain M Minarul Hoque, (H), BCGM, psc, BN.
Director Hydrography, NHQ
(For Chairman, National Hydrographic Committee)
Email: dhydro@navy.mil.bd

[Detailed information to update IHO Publication P-5 (Yearbook) is submitted in Annex A. Please indicate "no change" in Annex A if this is the case.]

2. Surveys:

[Describe any significant developments since the last RHC meeting in surveys related to the items below]

a) **Coverage of New Surveys:**

Bangladesh Navy (BN) survey fleet carry out hydrographic survey operations every year as per the annual survey programme. BN Chief Hydrographer promulgates annual survey programme considering national maritime interest pertaining to navigational safety. Due to the dynamic nature of coastal area, BNHS has to continue regular updating of national and INT series charts to ensure safe navigation. In 2020-2021 hydrographic survey season, survey was carried out to

update 1 in no INT series chart and 11 in no BN charts. The same survey season also targeted production of 06 in no new charts (NC). Using these data, another 01 in no national series chart have been planned. Several other hydrographic surveys have also been conducted in coastal areas to support various development projects. Hydrographic departments of BIWTA (Bangladesh Inland Water Transport Authority) and other port authorities have conducted hydrographic surveys at their own area of jurisdiction i.e., ports, harbours and inland waterways to support safe navigation.

b) New Technologies and /or Equipment

i. Policy Issues Regarding the Collection and use of Crowd-Sourced Bathymetry

NA.

ii. Status of Data Collection

See Para 2a and Annex B.

c) New Ships

2 in no Catamaran-type Hydrographic Survey Ships were commissioned into Bangladesh Navy on 05 November 2020. 02 X Survey Boats are under construction at Khulna Shipyard Limited, Khulna, Bangladesh; which are scheduled to be handed over by August 2021. These boats will be equipped with MBES and other state-of-the-art hydrographic survey equipment.



Picture 1: Newly Commissioned Survey ship BNS TALLASHI

d) Problems Encountered

Bangladesh's coastal area is very dynamic due to the presence of Ganges deltaic system. Frequent changes occur in seabed morphology. As such, frequent hydrographic survey is required to update the nautical charts. While planning survey programme, the entire area of a chart needs to be considered. As the depth changes rapidly in the coastal areas, cartographers face difficulties in matching data which are collected at different times. Weather pattern in coastal areas is also changing. Unusual rough seas in winter season and occasional stormy weather are causing unexpected delays in data acquisition.

Detailed information about surveys to update IHO Publications P-5 (Yearbook) and C-55 (Status of Hydrographic Surveying and Charting Worldwide) is submitted in Annexes A and B, respectively. Please indicate "no change" in Annexes A and B if this is the case.

3. New Charts & Updates:

[Describe any significant developments since the last RHC meeting in charting related to the items below]

- a) **ENCs:** ENC cells for all 9 INT series charts which are allocated to Bangladesh are now commercially available through IC-ENC. Besides, the preparation of ENCs for National series paper charts is in progress. The list of available ENC cells is given below:

ENC				
Ser	ENC Cell No	Title	Ed No & Date	Update No
1.	BD307425	Malancha River to St. Martin's Island	Ed-01 14 -03- 2019	08
2.	BD407426	Approaches to Hiran Point	Ed-01 17 -10- 2019	03
3.	BD507427	Chattogram Harbour	Ed-01 14 -03- 2019	02
4.	BD407428	Approaches to Chattogram	Ed-01 08 -08- 2019	04
5.	BD407429	Elephant Point to Matarbari Island	Ed-01 19 -09- 2019	03
6.	BD57451A	Pussur River - Monkey Point to Joyman Reach	Ed-01 24 -10- 2019	01
7.	BD57451B	Pussur River - Joyman Reach to Mongla Port	Ed-01 03 -10- 2019	02
8.	BD57452A	Pussur River - Trikona Island to Ghusaigari Khal	Ed-01 26 -09- 2019	01
9.	BD57452B	Pussur River - Ghusaigari Khal to Monkey Point	Ed-01 26-09- 2019	01
10.	BD507453	Payra Harbour	Ed-01 19 -09- 2019	04
11.	BD407454	Approaches to Payra Harbour	Ed-01 19 -09- 2019	05

- b) **ENC Distribution Method:** Via IC-ENC as RENC.

- c) **RNCs:** Presently, UKHO is producing RNCs of Bangladesh waters.

- d) **INT Charts:** Following is the list of INT charts produced by Bangladesh:

Ser	Chart No	Title
1.	INT 7425	Malancha River to Saint Martin's Island
2.	INT 7426	Approaches to Hiran point
3.	INT 7427	Chattogram Harbour
4.	INT 7428	Approaches to Chattogram
5.	INT 7429	Elephant Point to Matarbari Island
6.	INT 7451	Pussur River – Monkey Point to Joyman Reach Pussur River – Joyman Reach to Mongla Port
7.	INT 7452	Pussur River - Trikona Island to Ghusaingari Khal B. Pussur River – Ghusaingari Khal to Monkey Point
8.	INT 7453	Payra Harbour
9.	INT 7454	Approaches to Payra Harbour

- e) **National Paper Charts:** The list of published charts in the year of report and their details are given below:

Paper Charts				
Ser	Chart No	Title	Edition No	Edition Date
1.	3525	Approaches to Bhangra River	2 (NE)	06 May 2019
2.	3524	Supati to Buriswar River	3 (NE)	06 May 2019
3.	25001	Hariabhanga River to Hatia Island	1 (NC)	22 May 2019
4.	7503	Bhangra River to Buriswar River	2 (NE)	31 Jul 2019
5.	1253	Chunkuri Khal to Chalna	2 (NE)	02 Oct 2019
6.	30001	Hariabhanga River to Char Fasson	1 (NC)	07 Oct 2020
7.	30002	Char Fasson To St. Martin Island	1 (NC)	07 Oct 2020
8.	3514	Nijum Dwip and Adjoining area	1 (NC)	28 Oct 2020
9.	1252	Mongla Harbour	2 (NE)	28 Oct 2020
10.	3521	Approaches to Rabnabad Channel	2 (NE)	28 Oct 2020
11.	2501	Shah Amanat Bridge to Silok Bazar	2 (NE)	14 Jan 2021
12.	3529	Entrance to Raimangal & Malancha River	2 (NE)	27 Jan 2021
13.	3501	St. Martin's Island & Adjoining Area	4 (NE)	15 Feb 2021

- f) **Other Charts, e.g., for Pleasure Craft:** Nil.

- g) **Problems Encountered:** Bangladesh has already published all 09 (nine) INT charts for which she is responsible. All those charts were forwarded to Chairman NICCWG as per IHO publication S-11, Part A, Para 3.14.1(a) for review. On 03 Sep 2018, it was informed to NICCWG Coordinator that necessary corrections have been incorporated to all 09 INT charts as per observations made by India, France and the UK. However, recently we have accessed the updated S-11 Part B Region J Edition March 2021 and found that among the 09 INT Charts of Bangladesh, 06 charts (INT 7425, INT 7427, INT 7428, INT 7429, INT 7453 and INT 7454) are shown as produced. But other 03 charts (INT 7426, INT 7451 and INT 7452) are shown as schemed. It was informed on 02 Dec 2018 that necessary corrections have been accorded as per observations made during NIOHC18. Currently, there shouldn't be any issues to publish those charts. In this regard, S11, Part B and IHO Web catalogue may be updated in respect of Bangladesh. At the same time, necessary feedback and report on those charts may be presented during the NICCWG meeting. It is to be mentioned here that this is a long-awaited agenda from Bangladesh to NICCWG Coordinator.

[Detailed information about charting to update IHO Publications P-5 (Yearbook) and C-55 (Status of Hydrographic Surveying and Charting Worldwide) is submitted in Annexes A and B, respectively. Please indicate "no change" in Annexes A and B if this is the case.]

4. New Publications & Updates:

[Describe any significant developments since the last NIOHC meeting in nautical publications related to the items below]

a) New Publications

Ser	Publication No	Name of Publication	Remarks
2.	H 002	Bangladesh Navy Tide Tables-2021	New
4.	-	BN Annual Summary of Notices to Mariners	New

b) Updated Publications

Ser	Publication No	Name of Publication	Remarks
1.	H 001	Catalogue of Bangladesh Navy Charts and Publications	Updated
2.	HP 002	Bangladesh Navy Tide Tables	Yearly

c) **Means of Delivery:** Paper Version.

d) **Problems Encountered:** Nil

[Detailed information to update IHO Publication P-5 (Yearbook) is submitted in Annex A.]

5. MSI

[Describe the status of Maritime Safety Information (MSI) related to the items below]

a) **Existing Infrastructure for Transmission:** Notices to Mariners related to the safe navigation in Bangladesh waters are being issued by Department of Shipping regularly. These notices are widely circulated by both paper and digital means.

(1) Medium Used for Transmission of Navigational Warning. Navigational warnings are transmitted as Notices to Mariners (NTM) to all maritime agencies through letter, e-mail, fax and EGC message.

(2) Schedule and Frequency for Transmission of Navigational Warning. Navigational warnings are transmitted regularly through VHF channels from sea ports. The transmission schedule is appended below:

Port Authority	VHF Channel	Time (Local)
Chattogram Port Authority	16/12	0600, 1800
Mongla Port Authority	16/14	0800/2000
Payra Port Authority	16/12	0700/1900

(3) Schedule and Frequency for Transmission of Meteorological Warning. Meteorological warnings are prepared by Bangladesh Meteorological Department and they send it to all government offices. The concerned warnings applicable for vessels plying in inland water route as well as coastal areas are transmitted to the concerned district headquarters for further transmission in maritime sectors. Bangladesh Radio also transmits weather warnings. Moreover, the updates about weather warnings are also available in mobile applications.

(4) NTM Distribution System. NTM is issued by Mercantile Marine Office (MMO), which is under Department of Shipping, Bangladesh. MMO receives all MSI-related information from maritime stakeholders and scrutinize these informations and promulgate Notices to Mariners for Bangladesh. Besides, Bangladesh Navy issues NTM for their vessels. Chattogram, Mongla and Payra port authorities issue notices locally, as well as transmits through VHF for the vessels navigating in coastal waters.

(5) NAVTEX Coverage. At present there is no NAVTEX Station in Bangladesh. Navigational Warnings are transmitted with the help of NAVAREA coordinator India as part of NAVAREA VIII.

(6) Website for NTM and other Warnings. All the updated warnings including the Notices to Mariners are available on website of Mercantile Marine Office (<https://mmd.gov.bd/>). NTM are distributed to maritime stakeholders via Email, Fax and letter correspondence.

b) **New Infrastructure in Accordance with GMDSS Master Plan:** A project named ‘Establishment of Global Maritime Distress and Safety System and Integrated Maritime Navigation System (EGIMNS)’ is in progress by MMO under Ministry of Shipping, Bangladesh. Under this project seven coastal radio stations including 01 in no NAVTEX station will be installed in the coastal area of Bangladesh. The NAVTEX station is expected to start transmission by 2022.

c) **Problems Encountered:** None.

[Detailed information about MSI to update IHO Publication C-55 (Status of Hydrographic Surveying and Charting Worldwide) is submitted in Annex B. The national self-assessment of MSI is submitted in Annex C.]

6. **C-55**

The table with the latest information to update IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*) is provided in Annex B.

7. **Capacity Building Offer of and/or Demand for Capacity Building**

[Describe the need for or ability to offer Capacity Building in relation to the items below]

a) **Training Received, Needed, Offered**

(1) **Received:** Received and ongoing course in Hydrography are listed below:

Ser	Participation in Training / Course	Duration	Trainee	Sponsor
1.	Long Hydrography Course (CAT-A)	10 months	02	India
2.	CAT-A Course in Hydrography	24 months	01	France
3.	CAT-A Course in Hydrography in USA (Scheduled from Aug 2021)	12 months	01	Republic of Korea

(2) **Conducted:**

Ser	Name of Course	Duration (weeks/days)	No of Trainees
BN Hydrographic School			
1.	14th Basic Hydrographic Course (CAT-B)- 2020	24 Weeks	07 (Nigerian-02)
2.	SR-I ‘Q’ 2019 Course	23 Weeks	08
3.	SR-II ‘Q’ 2019 Course	23 Weeks	14
4.	SR-III ‘Q’ 2019 Course	23 Weeks	15
5.	SR-III ‘Q’ 2020 Course	23 Weeks	15
6.	Multi Beam Echo Sounder Data Acquisition and Processing Course 2020	02 Weeks	09
7.	SR-I ‘Q’ 2021 Course	23 Weeks	07
8.	SR-III ‘Q’ 2021 Course	23 Weeks	14
BNHOC			
9.	Shallow Water Multibeam Echo Sounder (SWMBES) Including Data Processing	01 Weeks	20
10.	Basic Cartography Course-2019	10 Weeks	12
11.	Caris S-57 Composer with AML	01 Weeks	09
12.	Pre-Survey Refresher Course	01 Weeks	08
13.	ENC Validation-2019	01 Weeks	05
14.	Basic Cartography Course-2020	10 Weeks	08
15.	ENC Validation-2020	04 Weeks	04

(3) Training Needed:

By carefully assessing the strength and weakness on BNHS and by foreseeing the requirement of coming days; it is ascertained that Bangladesh needs further assistance for hydrographic capacity building through training. Some fields where international/IHO/CBSC training will be most beneficial for BNHS are as follows:

- (a) Category A training in Hydrography and Cartography.
 - (b) Category B training in Hydrography and Cartography.
 - (c) ENC Production, Verification and Validation.
 - (d) Hydrographic Database Management.
 - (e) Marine Spatial Data Infrastructure.
 - (f) Multibeam data processing.
 - (g) Ocean Data Acquisition.
 - (h) Offshore Industrial Survey.
 - (i) ENC Conversion Training (S-57 to S-100)
- b) **Status of National, Bilateral, Multilateral or Regional Development Projects with a Hydrographic Component. (In progress, planned, under evaluation or study):** BN and UKHO have renewed a MoU regarding the production and distribution of Nautical Charts for another five years which will be valid till 2026. An “Intent to Join IC-ENC” document is signed between BN and IC-ENC for ENC distribution to world mariners.
- c) **Description of Requests to be Considered by the IHO/CBSC:** IHO has planned for conversion from S-57 Composer to S-100 by 2026. In this regard, BN may seek capacity building training for this conversion process.

8. Oceanographic Activities

[Describe any significant developments in oceanographic activity since the last NIOHC meeting related to the items below]

- a) **General:** After the settlement of our maritime boundary with neighbours, Bangladesh has given special emphasis on oceanographic research activities. Bangladesh Government is planning to acquire an Oceanographic Research Vessel. BN Officers are also undergoing higher study on Oceanography in various institutions of Bangladesh including Bangabandhu Sheikh Mujibur Rahman Maritime University, Dhaka University, etc. Bangladesh Navy Hydrographic Services always assist all maritime R&D organizations, educational institutes or universities to collect oceanic data. BNHS always remains supportive to oceanographic researchers to ensure that they get maximum opportunity to carryout research activities for acquiring better knowledge about the marine environment.
- b) **GEBCO/IBC’s Activities:** Nil
- c) **Tide Gauge Network:** Presently, BIWTA, Bangladesh Navy, Survey of Bangladesh, Sea Port Authorities (Chattogram, Mongla and Payra) have their own tide gauges along the coastal area. Tidal data from these gauges are collected regularly. These data are available in respective organizations.
- d) **New Equipment:** Various oceanographic recorders, seabed samplers have been collected.
- e) **Problems Encountered:** Nil.

9. Other Activities

[Describe any other significant developments of interest to the NIOHC since the last meeting related to the items below]

- a) **Participation in IHO Working Groups:** Bangladesh attended HSSC13 meeting held on 03-07 May 2021 via IHO's Online Meeting Platform.
- b) **Meteorological Data Collection:** Bangladesh Meteorological Department (BMD) collects meteorological data all over Bangladesh including the coastal belt. BMD publishes weather bulletin, special weather bulletin, cyclone warning, river warning including sea bulletins of the Bay of Bengal.
- c) **Geospatial Studies:** Survey of Bangladesh (sob.gov.bd) and SPARRSO (sparrso.gov.bd) are conducting geospatial studies over territorial Bangladesh, whereas BNHS conducts the same over sea areas.
- d) **Disaster Prevention:** In Bangladesh, Ministry of Disaster Management and Relief (<https://modmr.gov.bd/>) works on the disaster prevention activities in close coordination with Armed Forces Division.
- e) **Environmental Protection:** Bangladesh Navy (BNS) and Bangladesh Coast Guard (CGS) vessels are monitoring marine pollution and ensuring compliance in accordance with local laws.
- f) **Astronomical Observations:** Nil.
- g) **Magnetic/Gravity Surveys:** Nil.
- h) **MSDI Progress:** In conceptual and awareness building phase.
 - i. Policy and Governance: Same as above.
 - ii. Technical Standards: Same as above.
 - iii. Information systems: Same as above.
 - iv. Data: Same as above.
- i) **International:** Nil.
- j) **Use of Risk to Support Survey and Chart Updating Priorities:** Bangladesh always considers the shipping safety for navigation at her coastal areas. International and domestic shipping routes get priorities while planning the survey. BNHS puts all out efforts to keep the navigational channels/lanes safe. Any incident in port limit area, the port authorities take necessary actions for safe navigation without any delay.

10. Conclusions

[Provide a short summary statement that highlights any of the following]:

- a) **Areas of Significant Achievement:** Bangladesh Navy Hydrographic Services have continued to produce and maintain navigational charts for safety of mariners. ENC cells of responsible area is also produced and regularly updated. With growing expertise, BNHS has started assisting national stakeholders in hydrographic works for supporting the Blue Economic activities. This year, Bangladesh Navy Hydrographic School was again recognized by IBSC to conduct Category B hydrography course for a duration of another 6 years. With this accreditation, we are expecting more and more foreign trainees to participate in Cat-B courses offered by Bangladesh.

- b) ***Areas of Particular Concern:*** Pending issues at NICCWG needs to be solved as a long-standing issue. Due to very dynamic nature of Bangladesh's coast and foreshadowing effects of Climate Crisis is demanding expedited capacity building of hydrography in Bangladesh.
- c) ***Any Other Matters of Interest to the NIOHC:*** BNHS is also ready to share her expertise and experience with other Member States for mutual benefit. BNHS is confident to make her hydrographic services resourceful and skillful with IHO and NIOHC's support and co-operation.

Input to the IHO Publication P-5 (*Yearbook*)

Country: Bangladesh

Organization: Directorate of Hydrography

(Please provide the information in English)

No change in Annex A for P-5 Yearbook version 26 June 2021

Contact information/ Informations de contact / Información de contacto	
-National Hydrographer or equivalent -Directeur du service hydrographique ou équivalent -Director del Servicio Hidrográfico o equivalente	Post: Name: Postal address: Tel: Fax: Email:
-Head of the Hydrographic Office (if different from the person indicated above) -Directeur du Service Hydrographique (si différent de la personne indiquée ci-dessus) -Director del Servicio Hidrográfico (si diferente de la persona indicada anteriormente)	Post: Name: Postal address: Tel: Fax: Email:
-Other point(s) of contact -Autre(s) point(s) de contact -Otros punto(s) de contacto	
-Web site -site web -sitio web	
Country information / Informations sur le pays/ Información sobre el país	
-Declared National Tonnage -Tonnage national déclaré -Tonelaje Nacional Declarado	Tonnage: Date:
-National day -Fête nationale -Fiesta nacional	
-Date of establishment and Relevant National Legislation -Date de mise en place et législation nationale pertinente -Fecha de constitución y legislación nacional pertinente	

-Date first joined IHO -Date d'adhésion à l'OHI -Fecha de adhesión a la OHI	
-Date ratification Convention -Date de ratification de la Convention -Fecha de ratificación de la Convención	
-Remarks on membership -Remarques sur l'adhésion -Comentarios sobre la adhesión	
Agency information/ Information sur l'agence/ Información sobre la agencia	
-Top level parent organisation -Organisme mère -Organización asociada de nivel superior	
-Principal functions of the organisation or the department -Attribution principales de l'organisme ou du département -Principales funciones de la Organización o departamento	
-Annual operating budget -Budget annuel -presupuesto anual	
-Total number of staff employed -Effectifs totaux -Número total de personal empleado	
-Number of INT charts published -Nombres de cartes INT publiées -Número de cartas INT publicadas	
-Total number of paper charts published-Nombre total de cartes papier publiées-Número total de cartas de papel publicadas	
-Number of ENC cells published -Nombres de cellules ENC publiées -Número de células ENC publicadas	
-Number of Other charts -Nombre d'Autres cartes -Número de Otras cartas	

-Type of publications produced -Type d'ouvrages produits -Tipo de publicaciones producidas				
-Detail of surveying vessels/ aircraft -Détail des bâtiments hydrographiques / aéronefs -Detalle de los buques hidrográficos / aeronaves	-Name -Nom -Nombre	-Displacement -Déplacement -Desplazamiento	-Date Launched -Date de mise en service -Fecha de botado	-Number of crew -Nombre de l'équipage -Tripulación
-Other information of interest -Autres informations utiles -Otra información de interés				

Input to the IHO Publication C-55 (*Status of Hydrographic Surveying and Charting Worldwide*)Country: BANGLADESH

(Please provide the information in English)

C-55 Summary for:				Comments on Charts: The complete revised INT chart scheme of Bangladesh has been placed in INT Web Chart Catalogue S-11 Part B. Bangladesh has prepared all 09 INT Charts as per the scheme. 3 charts are pending NICCWG clearance.
Country:	BANGLADESH			
Country Iso Code:	BGD			
Country SubCode:	-			
INT Region:	J			
Country/Depend:	-			
Last updated:	MARCH 2018			
Provided by:	Bangladesh Navy Hydrographic Services (BNHS)			
Chart coverage	Passage (%)	Coastal (%)	Port (%)	Comments on Surveys: Comments on Surveys: Bangladesh waters in the Bay of Bengal are well surveyed. The navigational routes for international shipping are 100% surveyed and being resurveyed at regular intervals for necessary updates. The coastal area of Bangladesh is very dynamic due to the presence of delta. As such, keeping the chart scheme updated is a challenging task. Yet, the charts covering the navigational routes are re-surveyed as and when required to accommodate changes.
INT	100	100	100	
RNC	100	100	100	
ENC	100	100	100	
Status of Paper Charts				
Paper charts with depths in meters (%)			100	
Paper charts referenced to a satellite datum (%)			100	
Status of surveys	Adequate (%)	Resurvey (%)	No survey (%)	
0-200m	100	5		
> 200m	100	5		

MSI	Y/N	Comments on MSI: At present Department of Shipping is working on MSI issues in Bangladesh with the help of other maritime organizations. Regular broadcasting of local warning, navigational warning, port warnings are done.
Local warning	Y	
Coastal warning	Y	
Nav warning	Y	
Port warning	Y	
GMDSS	Y/N	Comments on GMDSS: There is an ongoing plan to improve the GMDSS infrastructure of Bangladesh. A project named 'Establishment of Global Maritime Distress and Safety System and Integrated Maritime Navigation System (EGIMNS)' is in progress. Under this project, seven coastal radio stations including 01 in no NAVTEX station will be installed in the coastal area of Bangladesh. The NAVTEX station is expected to start transmission by 2022.
Master Plan	Y	
Area A1	Y	
Area A2	Y	
Area A3	Y	
NAVTEX	Y	
SafetyNet	N	

National MSI Self-Assessment

Country: BANGLADESH
 Organization: Department of Shipping, Bangladesh

(Please provide the information in English)

1. Maritime area

[Describe maritime area including details of the geographic boundaries]

In light of the judgment of 14 March 2012 by the International Tribunal for the Law of the Sea (ITLOS), Hamburg, Germany on the Dispute Concerning Maritime Boundary between Bangladesh and Myanmar in the Bay of Bengal and in the light of the award of 07 July, 2014 of the Arbitral Tribunal in the matter of the Bay of Bengal Maritime Boundary Arbitration between Bangladesh and India, the maritime boundaries of Bangladesh are demarcated. Bangladesh government has also published an official gazette on 14 January 2015 which described the maritime area of Bangladesh. As per that gazette Bangladesh has an area of total 1,18,813 sq km EEZ.

2. Operational Points of Contact for the National Coordinator

INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Department of Shipping, Bangladesh	+88029513305	+88029587301	info@dos.gov.bd

3. GMDSS Master Plan

[Report on the status of the GMDSS Master Plan: Is it up to date? When was the last update?]

[Specifics of equipment used and software version with date up-dated]

A project named 'Establishment of Global Maritime Distress and Safety System and Integrated Maritime Navigation System (EGIMNS)' is in progress. Under this project seven coastal radio stations including 01 in no NAVTEX station will be installed in the coastal area of Bangladesh. The NAVTEX station is expected to start transmission by 2022.

<i>Equipment Type for Ports and Local Area</i>	<i>Software Version</i>	<i>Date of Up-date</i>
NA	NA	NA

[Detail the number of warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time for passing to NAVAREA coordinator, as reported to the last RHC meeting]:

Year Y-2		Year Y-1		Year Y	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
xx	xx.x Mins	xx	xx.x Mins	xx	xx.x Mins

4. NAVTEX Coverage:

[Diagram of NAVTEX stations and service areas within maritime area; Contact details for NAVTEX Stations; Confirm operational status has been validated.]

At present there is no NAVTEX Station in Bangladesh. Navigational Warnings are transmitted with the help of NAVAREA coordinator India as part of NAVAREA VIII.

5. Operational Issues:

[New infrastructure in accordance with GMDSS Master Plan; Problems encountered?]

NA

6. Contingency Planning

[Provide information regarding contingency plans that have been established and future plans where appropriate. Also report on any testing of the plan that has been conducted]

NA

7. Capacity Building

[Demands for Capacity Building, Training requested or received, any offered, status of national, bilateral, multilateral or regional development projects with MSI component]

NA

8. Other Activities

[Participation in other IHO or IMO Working Groups, Regional Hydrographic Commissions, regional conferences related to MSI over past year]

NA

9. National Maritime Website

[(Address, statistics (if permitted by national legislation; how often is the information on your web site updated? Do you display the date and time of the last update on your web site?)]

Department of Shipping
BIWTA Bhaban (8th Floor), 141-143 Motijheel C/A
Dhaka 1000, Bangladesh, Phone: +880 2 9513305
Fax: +880 2 9587301, Email: info@dos.gov.bd
Website: <http://www.dos.gov.bd>

10. Recommendations

[If any]

Few training programs can be arranged to improve the skill of the men working in MSI sector and to develop the present MSI infrastructure.

11. Summary

[Please provide a short summary of this paper which will be included in the final report of the meeting.]

At present Department of Shipping is working on MSI issues in Bangladesh with the help of other maritime organizations. Few good practices like broadcasting local warning, navigational warning, port warnings are followed. There is a master plan to improve the GMDSS infrastructure. Implementation of a project named 'Establishment of Global Maritime Distress and Safety System and Integrated Maritime Navigation System (EGIMNS)' is in progress. Under this project, seven coastal radio stations including

01 in no NAVTEX station will be installed in the coastal area of Bangladesh. The NAVTEX station is expected to start transmission by 2022. At present there is no NAVTEX Station in Bangladesh. Navigational Warnings are transmitted with the help of NAVAREA coordinator India as part of NAVAREA VIII. However, Bangladesh needs to develop skilled manpower in this sector. So, international community/organizations may come forward and support Bangladesh in this regard.