

MSI Assessment for NAVAREA-IX

Reporting period from 1st Jan 2023 to 31th December 2023
Submitted by: National Hydrographic Office Pakistan

SUMMARY

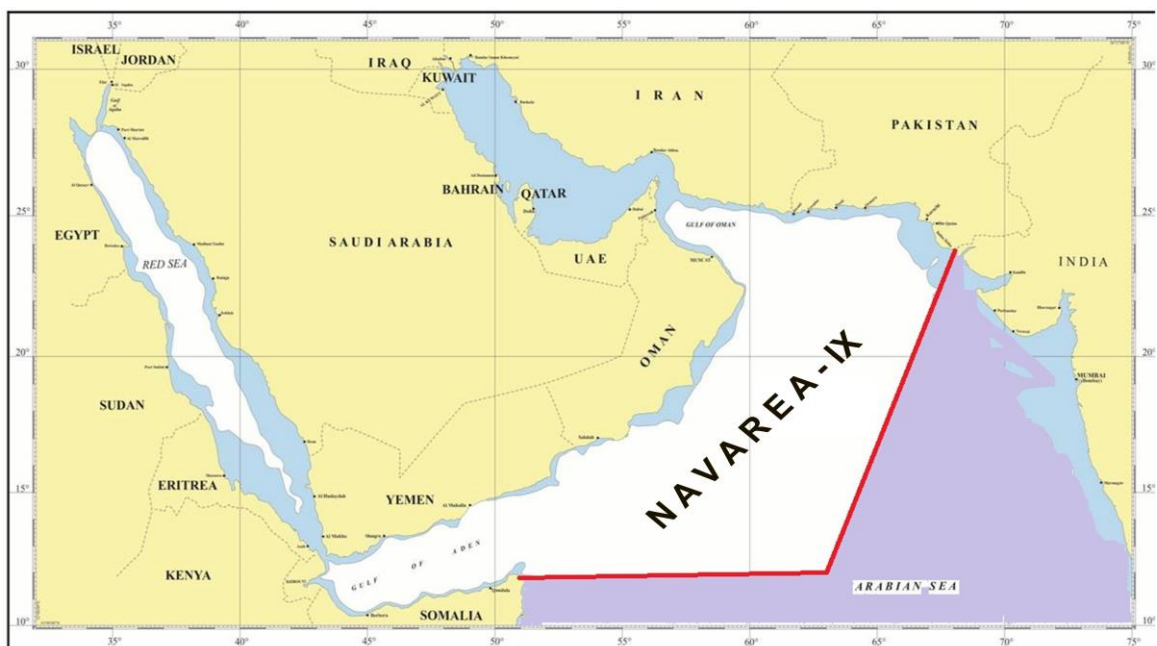
Executive Summary:	Background information and overview of activities undertaken within NAVAREA IX since WWNWS 15
Action to be taken:	In accordance with Paragraph 13
Related documents:	None

1. GENERAL INFORMATION

1.1. Organization

On behalf of Government of Pakistan, Hydrographer of Pakistan (HoP) performs the responsibilities of NAVAREA-IX Coordinator. The National Hydrographic Office (NHO) Pakistan, Ex Pakistan Navy Hydrographic Department (PNHD) at Karachi is the focal point for the services related to Navigational safety. The department is responsible for the transmission of Maritime Safety Information (MSI) to 16 countries of NAVAREA-IX. Limits of NAVAREA IX area are as under:

- | | | | | | |
|----|------------|------------|----|------------|------------|
| a. | 23° 48' N. | 068° 05' E | c. | 12° 00' N. | 050° 45' E |
| b. | 12° 00' N. | 063° 00' E | d. | 30° 00' N. | 032° 00' E |



1.2. Operational Point of Contacts (POCs) for National Coordinators within the NAVAREA-IX limits are as follows:

Country	Relevant Department	Telephone	Facsimile	Email
Bahrain	MENAS Maritime Operation Centre Bahrain	+973 17810011	+97317725591	m.khurshid@menas.com.bh Rashid.alsuwaidi@slrb.gov.bh
Djibouti	Ministry of Transport and Telecommunication	+253 353475 +253 353208	+253351538	-
Egypt	Egyptian Authority for Maritime Safety (EAFMS)	+20 34801006	+ 2034802233	e.n.h.d@hotmail.com hydro@enhd.gov.eg
Eritrea	Department of Maritime Transport	+291 1 552346, +291 1 552931	+2911 552157	motcrez@eol.com.er
Iran	Port and Maritime Organization, Maritime Affairs Department	+9821 84932171 +9821 84932143 +9821 84932152	+9821 8493 2190	parizi@pmo.ir pasandeh@pmo.ir
Iraq	Ministry of Transport and communication	-	-	-
Jordan	Jordan Maritime Authority	+962 3201 4031	+962 3201 6320	info@aqabaports.gov.jo
Kuwait	Ministry of Communication Marine Department Hydrographic Survey Division	+965 6691 6969	+965 24990333	mazidi@moc.kw.or Kholoud@moc.gov.kw
Oman	Ministry of Defence, Oman National Hydrographic Office, Royal Navy of Oman Sultanate of Oman	+968 24312350 +968 24322831	+968 24312460	ONHO@mod.gov.om hydromo@mo.gov.om
Pakistan	National Hydrographic Office Pakistan	+9221485 06151 +9221485 06204 +9221485 06821	+ 92 21 99201623 + 92 21 99203246	hydropk@paknavy.gov.pk hydrpk@gmail.com
Qatar	Customs & Ports General Authority, Department of Maritime Affairs & Transport	+974 4426 2100	+974 9426 5454	vjankovic@mme.gov.qa SKandy@mme.gov.qa
Saudi Arabia	Saudi Port Authority	+966 920 000 427 ext 1700	+966 114647589	hydro@gasgi.gov.sa
Somalia	-	-	-	-
Sudan	Sudanese Maritime Administration	+249 918 377 1659	+249 918 379 0189	Profesadig54@rocketmail.com

U.A.E	Federal Transport Authority Land & Maritime	+9712651900 +971 2641 3321	+971 2 651691 97126415566	msd2000@emirates.net.ae admin@uaesurbey.ae
Yemen	Ministry of Transport Maritime Affairs Authority	+9672203521	+967 2 205805	ypa@y.net.ye

1.3. **GMDSS Master Plan** MSIs related to navigational warnings are issued by NAVAREA-IX coordinator, weather warnings are transmitted by Pakistan Metrological Department (PMD) whereas Maritime Rescue and Coordination Center (MRCC) at Pakistan Maritime Security Agency (PMSA) is looking after all Search And Rescue related issues.

2. **NAVAREA EGC**

NAVAREA-IX office houses an indigenously developed system to display, monitor and store MSIs. One node of this system is designed to access Land Earth Stations (LES) for MSI transmission purpose.

2.1. **Details of EGC Services** NAVAREA-IX office transmit all MSIs through mobile satellite broadcast (INMARSAT & IRIDIUM) at 0300 and 1500 UTC daily during the period under review. Urgent messages are broadcast immediately.

Broadcast Equipment/ Software	Broad cast schedule/Satellite	Manufacturer/ Location (LES)/ Implementation
INMARSAT Safety NET	0300 and 1500, IOR	Burum
Iridium Safety Cast	0300 and 1500	Iridium
Monitoring Equipment/ Software		Manufacturer/ Software
Safety NET		Inmarsat C
Iridium Safety Cast		Iridium

2.2. **NAVTEX** NAVTEX stations coverage area are shown at Encl-1 and contact details of NAVTEX stations are as under:

B ₁ 518 kHz	B ₁ 490 kHz	NAVTEX Station	Email	Telephone	Status
B	-	Hamala (Bahrain)	info@menas.com.bh	+973 17828541	Ops
V	-	Al Qusayr (Egypt)	hydro@enhd.gov.eg	+20 65 330001	Ops
F	I	Bandar-e-Shahid Rajai (Iran)	abbasradio@pmo.ir	+98 761 4514032	Ops
A	D	Bushehr (Iran)	bushenradio@pmo.ir	+98 771 2530074	Ops

M	-	Muscat (Oman)	ONHO@mod.gov.om	+968 24571400	Off air
P	-	Karachi (Pakistan)	hydrpk@gmail.com	+92 21 45901161	Off air
-	W	Umm Qasr (Iraq)	aqilsarah@yahoo.com	+964 7801440543	Ops
H	O	Jeddah (Saudi Arabia)	navtex@gamep.gov.sa	+966 124 237376	Ops

2.3. **Other methods of promulgation** For local authorities, fisherman etc., local means of communications are used (VHF, courier, fax etc) to update them with ongoing activities.

3. **NAVAREA MATRIXES**

3.1. NAVTEX information received for 2023 are as under:

2023							
Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC (only for EGC)	Total number of warning broadcasts	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
Bahrain	Hamala	B	0010 0410 0810 1210 1610 2010	336	-	-	-
Iraq	Umm Qasr	W	-	4	-	24	6.24

3.2. **NAVAREA Warnings Broadcasts.** NAVAREA warnings broadcasted during past 3 years are as under:

Provider	2021			2022			2023		
	Total number of warnings issued	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast including repetitions	Broadcast data in megabytes
Safety Net	517	649	0.31	526	606	0.29	479	530	0.25
Safety Cast	517	-	-	526	-	-	479		

3.3. **Urgent EGC Warnings.** NIL

3.4. **VITAL Coastal Warnings** NIL

3.5. **In-force warnings.**

3.5.1. **In-force bulletins issued** Yes, inforced bulletins are uploaded on website on every Saturday. Bulletins remain available on website till cancellation. All warnings issued each week are published in weekly edition of Pakistan Notices to Mariners (PNTM) bulletin Section II and weekly edition is also available on NHO website.

3.5.2. **Requests for In-force warnings** The following table shows the number of requests to NAVAREA IX for a list of inforced navigational warnings of last 03 years:

Year	2021	2022	2023
Total	407	256	262

4. **OPERATIONAL ISSUES** NIL

5. **NATIONAL COORDINATOR COMMUNICATION**

5.1. **IRCC Strategic Performance Indicator** NAVAREA IX did not receive any information in 2023 from the following Coastal States:

Coastal State / Country	Information Received
Somalia	None
Djibouti	None
Eritrea	None
Sudan	None
Jordan	None

5.2. Details of information received from various Coastal States are as under:

Coastal State/ Country	E-mails	Fax	Letters
Pakistan	30	-	50
Bahrain (MENAS) (Qatar, UAE, Kuwait & Iraq)	336	-	-
Dubai	02	-	-
Saudi Arabia	27	-	-
Oman	06	-	-
Egypt	04	-	-
Iran	22	-	22

Yemen	01	-	-
Miscellaneous (Information's received from various sources)	21	-	-

5.3. **Procedures** NAVAREA-IX coordinator communicates with all National Coordinators of NAVAREA-IX as well as other sources (UKMTO, EU NAVFOR, merchant ships etc.) to promulgate warnings through email/fax/ telephone.

6. **CONTINGENCY PLANNING**

An internal contingency plan is held. As an external contingency plan, collaboration with NAVAREA VII (South Africa) is agreed.

7. **S-124 NAVIGATIONAL WARNING DEVELOPMENT** NIL

8. **CAPACITY BUILDING**

In the context of enhancing Maritime Safety Information (MSI) capabilities, it is imperative to underscore the significance of capacity building initiatives. Participation in the recent MSI course held in Oman exemplifies a commendable effort in this regard. Such training programs, under the auspices of the International Hydrographic Organization (IHO), play a crucial role in fortifying the MSI framework. They are particularly beneficial for developing countries, providing them with the requisite skills and knowledge to improve their maritime safety systems. It is recommended that these capacity-building courses continue to be conducted under IHO's guidance, as they contribute substantially to the advancement and efficiency of MSI practices globally.

9. **OTHER ACTIVITIES** NIL

10. **NAVAREA WEBSITE**

All NAVAREA IX warnings are uploaded on NHO Pakistan website 'hydrography.paknavy.gov.pk' and updated on daily basis.

11. **NAVAREA IX CONTACT INFORMATION**

REAR ADMIRAL MUHAMMAD SALEEM HI (M)
Hydrographer of Pakistan (HoP)

Email: hydropk@paknavy.gov.pk
hydrpk@gmail.com

Tel: +92 21 48506821, +92 21 48506151
+92 21 48506202, +92 321 4672970

Fax: +92 21-99201623

Address: HQ NAVAREA IX
National Hydrographic Office
Naval Headquarters
11, Liaquat Barracks
Karachi – 75530
PAKISTAN

12. **RECOMMENDATIONS**

Following is recommended:

- a. Scenario based joint exercises and drills under the ambit of WWNWS should be conducted to test and improve regional response to maritime emergencies.
- b. Courses on Maritime Safety Information (MSI) for NAVAREA IX countries should be continued by the International Hydrographic Organization (IHO) to facilitate active and effective participation by member states. Furthermore, a mechanism should be developed to encourage the involvement of currently inactive members.

13. **ACTIONS REQUESTED**

The Commission is requested to note this report.

14. **SUMMARY**

The above constitutes the NAVAREA-IX self-assessment report for the 16th WWNWS-SC meeting. The NAVAREA IX Coordinator is responsible for disseminating Maritime Safety Information (MSI) to all 16 countries within the region. Navigational warnings are issued via INMARSAT and IRIDIUM satellites and are also included in the weekly Notice to Mariners (NTMs). All active warnings and NTMs are consistently posted and monitored on the NAVAREA IX website. NAVAREA IX maintains internet access to both service providers and monitors broadcasts from both systems. Additionally, the reception of all NAVAREA warnings distributed through Safety Net/Safety Cast and coastal warnings is monitored at the National Hydrographic Office (NHO) via the appropriate communication center terminals.

NAVTEX STATIONS COVERAGE AREAS

