

**MSI Self Assessment –NAVAREA IX
Submitted by: Pakistan**

Executive Summary: Background information and overview of activities undertaken within NAVAREA IX since WWNWS 11.

Action to be taken: In accordance with Paragraph 12

Related documents: None

1. Background.

a. Organization. On behalf of Pakistan, Hydrographer of Pakistan Navy (HPN) performs the responsibilities of NAVAREA IX Coordinator. The Pakistan Navy Hydrographic Department (PNHD) at Naval Headquarters, 11 Liaquat Barracks Karachi is the focal point for the SafetyNET services. The department is responsible for the transmission of MSI for the 16 countries of NAVAREA IX. Limits of NAVAREA IX are given below. The chart-let of the same is at Annex 'A':

23° 48'N.	068° 05' E
12° 00'N.	063° 00' E
12° 00'N.	050° 45' E
30° 00'N.	032° 00' E

b. Operation and Broadcast. The NAVAREA warnings are compiled at PNHD and up-linked to the INMARSAT for onward transmission through the INMARSAT 'C' satellites from LES Burum. Burum LES is accessed through Internet at 0300 and 1500 UTC. However, in case of any urgent message; it is transmitted on priority basis on special services to inform the mariners immediately.

c. Distress Alerts. Pakistan is the member of Global Search and Rescue Organization and performs the task of rescue coordination centre for Maritime Rescue Region. Maritime Rescue Coordination Centre (MRCC) Pakistan is manned by Pakistan Maritime Security Agency (PMSA). PMSA performs distress monitoring, communications and response functions. NAVAREA IX promulgates Distress Warnings in collaboration with PMSA through LES Burum. Area of responsibility of MRCC Pakistan, chartlet is shown at Annex 'B'. Operational Points of Contact for National Coordinator within the NAVAREA IX are tabulated below:

COUNTRY	INSTITUTION	TELEPHONE	FAX	EMAIL
Bahrain	MENAS MARITIME OPERATION CENTRE BAHRAIN	+973 17810021	+973 17725591	khalidaas@sirb.gov.bh Rashid.AISuwaidi@slrb.gov.bh
Djibouti	BP 59, DJIBOUTI, Djibouti	+253 353475 +253 353208	+253 3561538	-
Egypt	EGYPTIAN AUTHORITY FOR MARITIME SAFETY (EAFMS)	+20 34802233	+ 20 4875633	e.n.h.d@hotmail.com hydro@enhd.gov.eg
Eritrea	-	+291 1 552346, +291 1 552931	+291 1 552157	motcrez@eol.com.er
Ethiopia		+251 1 154915 +251 1 159013		
Iraq	-	-	-	-
Iran	PORT AND MRITIME ORGANIZATION, MARITIME AFFAIR DEPARTMENT	+9821 88651116 +9821 84932143 +9821 84932152	+9821 84932675	aparizi@pmo.ir parizi@pmo.ir
Jordan	-	+962 32014031 +962 32016320	+962 32016204 +962 320116320	info@aqabaports.gov.jo
Kuwait	MINISTRY OF COMMUNICATION MARINE DEPARTMENT HYDROGRAPHIC SURVEY DIVISION	+965 24990333	+965 24990333	mazidi@moc.kw.or
Oman	SULTANATE OF OMAN, MINISTRY OF DEFENCE, NATIONAL HYDROGRAPHIC OFFICE, ROYAL NAVY OF OMAN	+968 24312350 +968 24322831	+968 24312460	nhooman@omantel.net.com hydromo@mo.gov.om
Pakistan	PAKISTAN NAVY	+92 21 485 06151 +92 21 485 06152 +92 21 485 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 44955947	+974 44955947	vjankovic@mme.gov.qa
Saudi Arabia	SAUDI PORT AUTHORITY	+966 14 532161	+966 14 532161	hydro@gdms.gov.sa
Somalia	-	-	-	-
Sudan	-	+249 1171659		
United Arab Emirates	-	+971 2 651900	+971 2 651691	msd2000@emirates.net.ae
Yemen	MINISTRY OF TRANSPORT MARITIME AFFAIRS AUTHORITY	+967 2 203521	+967 2 205805	ypa@.net.ye

2. Comments.

- a. GMDSS Master Plan. GMDSS system at MRCC is up to date.
- b. Arrangements at NAVAREA IX. NAVAREA IX office houses an indigenously developed system to display, monitor and store MSIs. One node of this system is designed to access LES Burum for MSI transmission purpose.
- c. Specifics of Information and Data Received. The following table shows the number of messages received along with Safety NET warnings / messages that were promulgated during last three years.

2017				2018				2019			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
167	16	02	50	204	16	-	58	452	09	01	73

- d. IHO Members States in NAVAREA IX which have not provided MSI in 2019-20
- i. KUWAIT
 - ii. UAE

Note: No MSI to NAVAREA-IX, however through MENAS relative MSIs are being received regularly.

- e. Navigational Warnings. List of navigational warnings issued during last three years are as follows:

NAVAREA IX WARNINGS	2017	2018	2019
		333	304

- f. Average Elapsed Time per Broadcast. Details of the number of NAVAREA warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time per broadcast via SafetyNET is tabulated below.

2017		2018		2019	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
49	30-45 Minutes	12	30-45 Minutes	08	30-45 Minutes
Nil	-	Nil	-	Nil	-

- f. EGC certificate of authorization for the IMO EGC coordinating panel have been received. Agreement with the Iridium is in process. However, testing of the system have been done successfully.

- g. In-force Navigational Warnings. List of In-force navigational warnings of last 03 years are as shown below:

2017		2018		2019	
Total	E-mail	Total	E-mail	Total	E-mail
521	521	300	300	425	452

3. NAVTEX Coverage. Detail of NAVTEX Stations in the region is given below. The chart-let of the same is at Annex "C". (Ref: ALRS VOL.5 NP285/2017/2018).

	NAVTEX Station	TELEPHONE	FACSIMILE	EMAIL
B	Bahrain	+973 883939 / 883543	+973 242676	-
V	Al Qusayr(Egypt)	+20 65 330001	+20 65 330001	-
F	Bandar-e-Shahid Rajai (Iran)	+98 761 4514032	+98 761 4514036	abbasradio@pmo.ir
A	Bushehr(Iran)	+98 771 2530074	+98 771 2530077	Bushenradio@pmo.ir
M	Muscat (Oman)	+968 24571400	+968 24562995	--
P	Pakistan Karachi	+92 21 45901161	+92 21 4591285	

4. Operational Issues. Nil

Detail of MSI information received from coastal states of NAVAREA IX is given below:

Coastal Country	State /	No of MSI messages	Topics / subject of messages
Pakistan		05	Survey / drilling / oil spill exercise
		06	Boat sunk/Search & Rescue / Man overboard/ fire incident
		61	Firing Exercise/Underwater Exercise
		04	Draughts / Dimension/ shallow depth
		03	Navigation Lights/ buoy
Bahrain (MENAS)		80	Seabed /Seismic operation/offshore construction / survey/ Geo physical / Geo technical survey/ bore hole/ hydrographic survey/ bathymetric survey/ bottom node operation
		09	Gas/oil pipeline/platform /Submarine cable
		36	Buoys & beacons/ platform
		14	Ship to ship transfer operation/ sailing race/ subsea operation/ submerged
		03	No anchorage area/ Anchorage Area
		19	Rig move/Floating barge/Jack-up drilling rig/ rig towing
		08	Reclamation, Dredging / trenching/ modification/ drilling/ boring works
		04	Vessel sunk/ Drifting/ wreck
		02	Firing / maritime exercise
		01	Loading operation
		03	Offshore structure/ installation/ oil terminal
		05	Diving activity
		05	Establishment of port /reporting
		05	Lost anchor/ obstruction
Saudi Arabia		05	Beacon/Buoy
		11	Firing
Oman		01	Offshore construction activity
		04	Firing
Iran		09	Buoy established/ buoy removed/ beacon
		02	Drilling platform

Miscellaneous (Informations received from various sources)	11	Drifting / survey / firing / buoy and beacon
	02	Piracy

Note: All “In Force” warnings that are more than 42 days old remain available on website (www.paknavy.gov.pk/hydro) for mariners.

5. Quality Management Survey.

NAVAREA	ISO 9001 - 2000	Promulgate “In-Force” Bulletins	Promulgate “No-Warning” Messages	Monitor Broadcast in almost real time	24/7 contact information provided	Promulgate two scheduled broadcasts	IMO Master Plan updated
NAVAREA IX	NO	YES	YES	YES	YES	YES	YES

*Karachi radio is not operational and is under up gradation.

***No Warning Messages** is being promulgated through LES at 0800hrs and 2000hrs.

6. Contingency Planning. Internal contingency plan is held. As an external contingency plan, collaboration with NAVAREA VII (South Africa) is agreed. This collaboration was initiated through email correspondence and both NAVAREAs were agreed to conduct an exercise in April 2020, which was not conducted due to COVID-19, same will be conducted soon.

7. Capacity Building. Pakistan is considering organizing MSI training course on yearly basis. The syllabus for the same is being prepared and accordingly training of trainers will be conducted prior offering the said course to NAVAREA IX countries.

8. Other Activities. PNHD / NAVAREA IX have been at the forefront in taking active part in IHO activities. Pakistan attended NIOHC meeting at Muscat in Mar 19 whereas hosted 8th RSAHC meeting at Islamabad in Feb 19. Moreover, the department is making efforts to renew communications with relevant stakeholders in Pakistan and national coordinators of Area IX.

9. NAVAREA Website. Information on the website (<https://www.paknavy.gov.pk/hydro/>) are updated on daily basis for mariners

NAVAREA Contact Information:

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Commodore
Hydrographer

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PAKISTAN

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hydrpk@gmail.com

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+92 21 48506819, +92 333 2104611

Fax: +92 21-99201623, +92 21 99203246

Address: HQ NAVAREA IX
Pakistan Navy Hydrographic Department
Naval Headquarters
11, Liaquat Barracks
Karachi – 75530
PAKISTAN

MRCC Pakistan Contact Info:

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Plot No 34A, Dockyard Road, Karachi, Pakistan
Tel : +92-21-99214624, +92-21-99214964-7
Fax : +92-21-99214621, +92-21-99214625
E-mail: hqpmisa@org.pk

11. **Recommendations.** MSI courses for NAVAREA IX countries may be organized from IHO capacity building funds for active and effective participation.

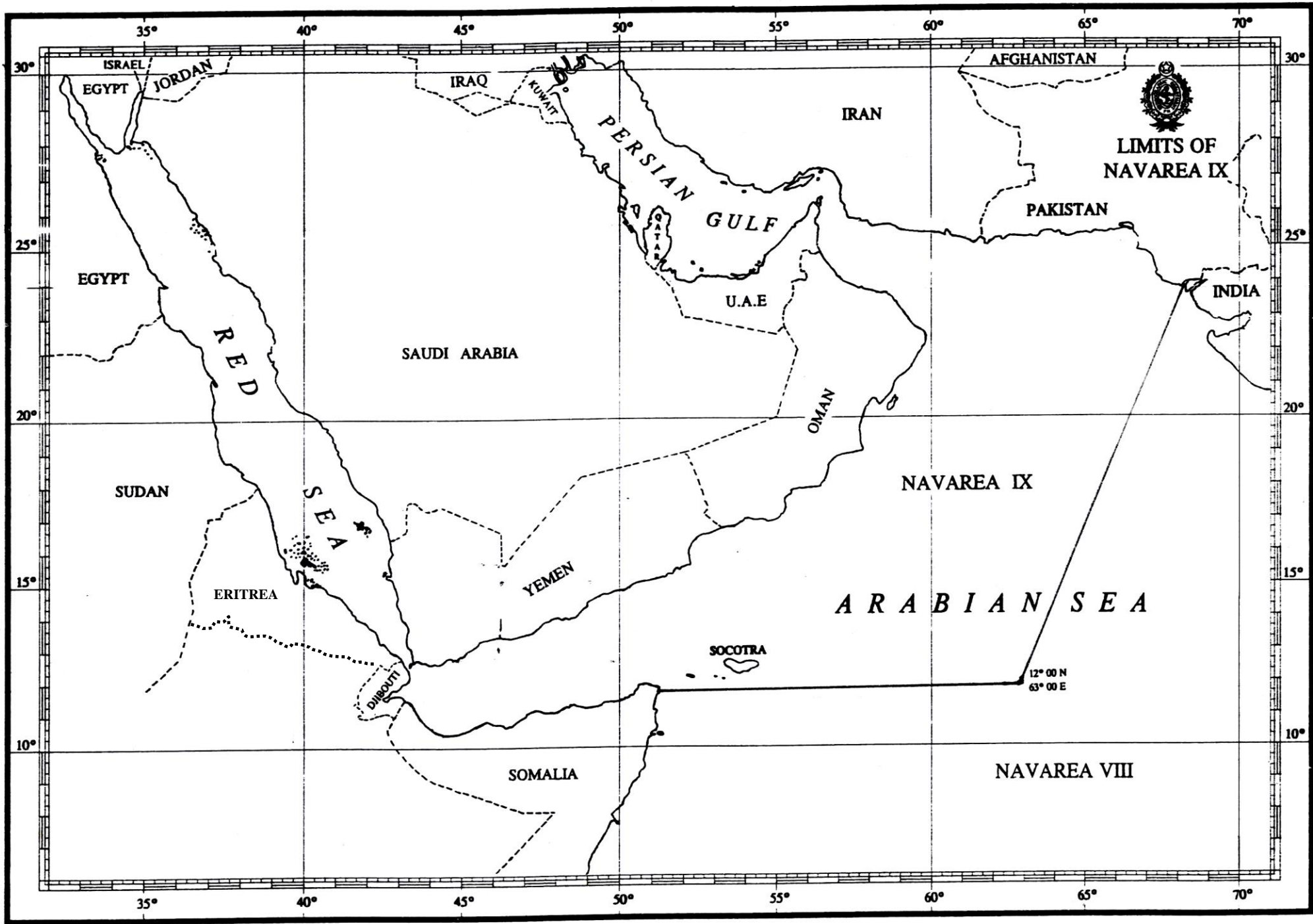
12. **Actions requested.** The Commission is requested to note this report.

13. **Summary.**

a. The above is provided as NAVAREA IX self-assessment report for the 12th WWNWS-SC meeting. Coordinator NAVAREA IX transmits MSI for the 16 countries in the region. Navigational Warnings are promulgated via SafetyNET with all in-force warnings being included in the Notice to Mariners, which is published once per week. All the in-force warnings and NTMs are regularly posted and monitored on NAVAREA IX website as well. NAVAREA IX accesses LES via internet and all SafetyNET broadcasts are monitored. Karachi NAVTEX station is under up gradation and hence Coastal Warnings are also being transmitted via SafetyNET. The reception of all the NAVAREA warnings promulgated through SafetyNET and coastal warnings are monitored at PNHD through respective terminals at communication center.

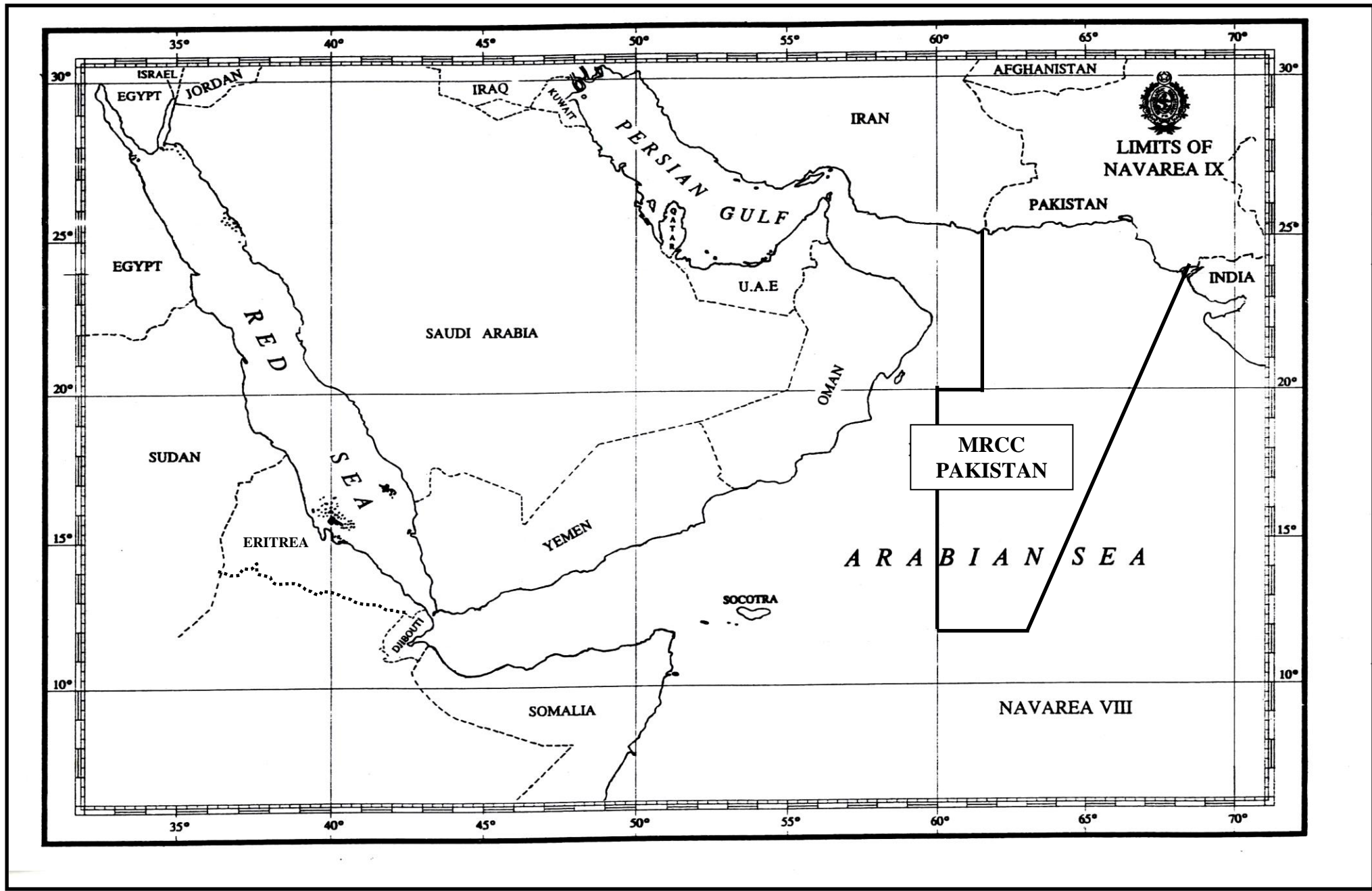
b. There is a lack of effective communication with some NAVAREA IX countries. The same is summarized in the table below:

Effective Communication	Intermittent Communication	Weak/ Negligible Communication
Oman, KSA, MENAS (Bahrain, Kuwait, Qatar, UAE only through MENAS), Yemen recently establish communication.	Iran and Egypt, (Through courier and channel of reporting creates delays)	Iraq, Djibouti, Sudan, Somalia, Eritrea, Jordan, Ethiopia



MRCC PAKISTAN - AREA OF PAKISTAN RESPONSIBILITY

ANNEX 'B'



NAVTEX – MSI BROADCASTS North Arabian Sea, Red Sea and Persian Gulf (NAVAREA IX)

