

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

Executive Summary: Background information and overview of activities undertaken within NAVAREA IX since WWNWS 12.

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 via Internet at 0300 and 1500 UTC daily for onward transmission through INMARSAT and IRIDIUM satellites systems. However, in case of any urgent message; it is transmitted on priority basis 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 (Inmarsat and Iridium) Distress Warnings in collaboration with PMSA through both satellite system. Area of responsibility of MRCC Pakistan, chartlet is shown at Annex 'B'. Operational Points of Contact for National Coordinators 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
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, OMAN NATIONAL HYDROGRAPHIC OFFICE, ROYAL NAVY OF OMAN	+968 24312350 +968 24322831	+968 24312460	ONHO@mod.gov.om 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 stations 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.

2018				2019				2020			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
204	16	-	58	452	06	01	73	411	04	-	70

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

NAVAREA IX WARNINGS	2018	2019	2020
	304	453	469

- e. 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 are tabulated below.

2018		2019		2020	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
12	30-45 Minutes	08	30-45 Minutes	16	30-45 Minutes

- f. In-force Navigational Warnings. Specifics of requests for list of In-force navigational warnings of last 03 years are as shown below:

2018		2019		2020	
Total	E-mail	Total	E-mail	Total	E-mail
300	300	425	425	363	363

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	
W	Umm Qasr (Iraq)	+964 7801440543	+964 40 412377	aqilsarah@yahoo.com

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		09	Survey / Cable Repair operation
		06	Boat sunk/Search & Rescue
		58	Firing Exercise/Underwater Exercise
		10	Navigation Lights/ buoy
Bahrain (MENAS)		80	Seabed /Seismic survey/Geo physical / Geo technical survey/ bathymetric survey/ ROV survey
		10	Gas pipe laying/platform /cable laying/ oil pipeline
		40	Buoys & beacons/ lights/ aids to navigation
		07	Ship to ship transfer operation/ sailing race/ submerged/ submersible operation
		33	Rig move/Floating objects / drilling / rig towing
		08	Reclamation, Dredging / trenching/ modification/ drilling
		13	Vessel sunk/ wreck/ oil tanker damaged
		10	Firing / maritime exercise
		05	structure/ installation/ construction/ vertical injector
		04	Diving activity / under water activity
		12	Establishment of restricted area / anchorage area / marine farm /security barrier /
		04	Obstruction / skiff discovered / well head
Saudi Arabia		08	Beacon/Buoy
		03	Firing
		01	Parachute jumping exercise
		01	DGPS station off air
Oman		01	Offshore construction activity
		04	Firing
		01	Oil tanker damage
		02	Floating container / drifting
		01	Towing
Egypt		02	Geophysical & geotechnical survey
		01	Naval exercise
Iran		03	Buoy established/ buoy removed/ beacon
		01	Boat sunk
Miscellaneous (Informations received from various sources)		09	Firing / information of mariners and safety of navigation/ military exercise / assistance / anchoring
		01	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 2019, which was not conducted due to COVID-19, same will be conducted soon.

7. Capacity Building. MSI courses for NAVAREA IX countries may be organized from IHO capacity building funds for active and effective participation.

8. Other Activities. PNHD / NAVAREA IX have been at the forefront in taking active part in IHO activities. Pakistan attended recently NIOHC meeting through VTC. 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 (www.paknavy.gov.pk/hydro) are updated on daily basis for mariners. New website has been launched (www.hydrography.paknavy.gov.pk) same information are also available on new website.

NAVAREA Contact Information:

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Captain Pakistan Navy
Hydrographer

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Karachi – 75530
PAKISTAN

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hydrpk@gmail.com

Tel: +92 21 48506151-2, +92 21 48506821,
+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:

The Director General
Pakistan Maritime Security Agency,
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.

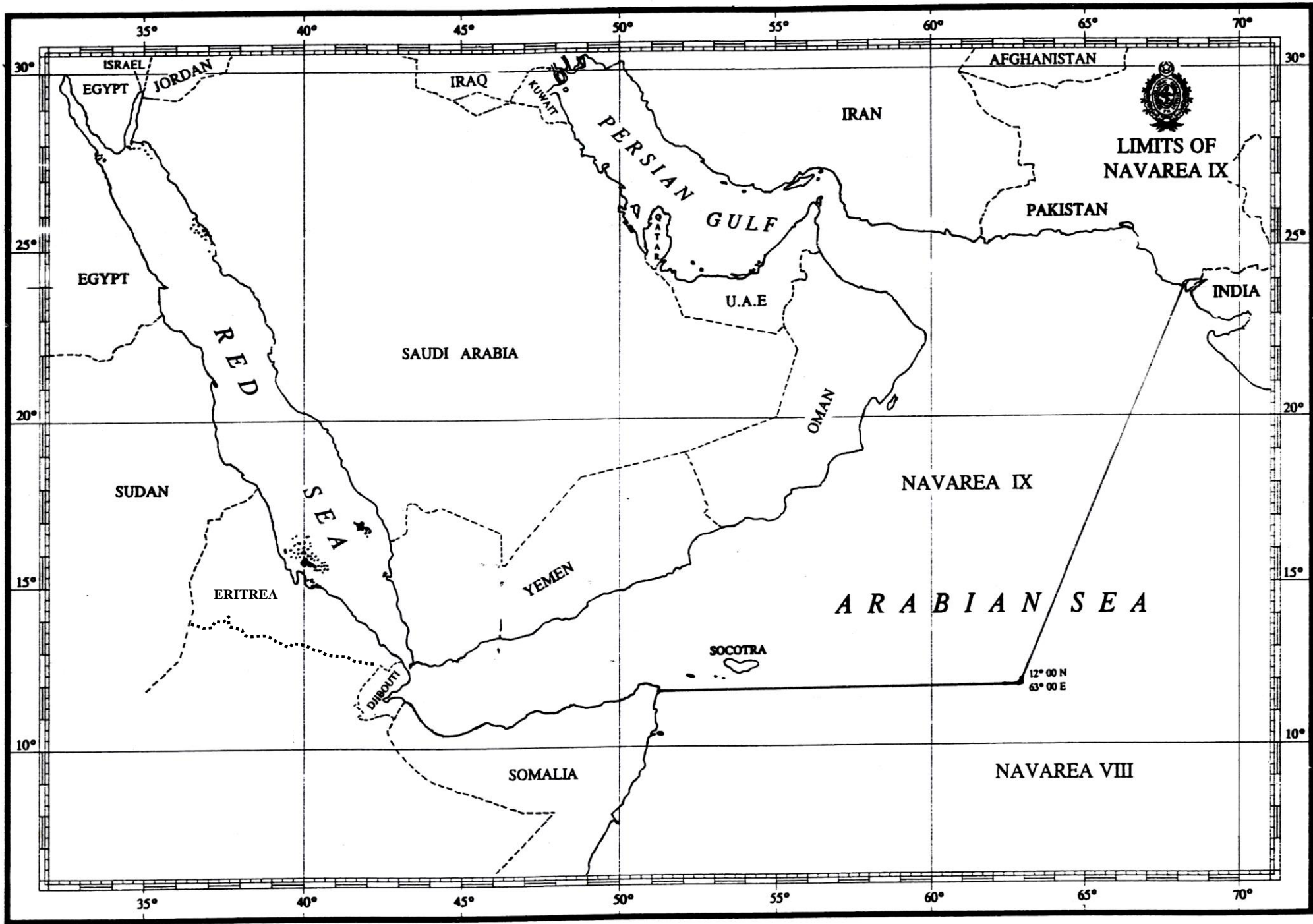
12. **Actions requested.** The Commission is requested to note this report.

13. **Summary.**

a. The above is provided as NAVAREA IX self-assessment report for the 13th WWNWS-SC meeting. Coordinator NAVAREA IX transmits MSI for the 16 countries in the region. Navigational Warnings are promulgated via INMARSAT/IRIDIUM 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 both service providers via internet and all broadcasts of both systems are monitored. Karachi NAVTEX station is under up gradation and hence Coastal Warnings are also being transmitted via SafetyNET/Safetycast. The reception of all the NAVAREA warnings promulgated through SafetyNET/Safetycast and coastal warnings are monitored at PNHD through respective terminals at communication center.

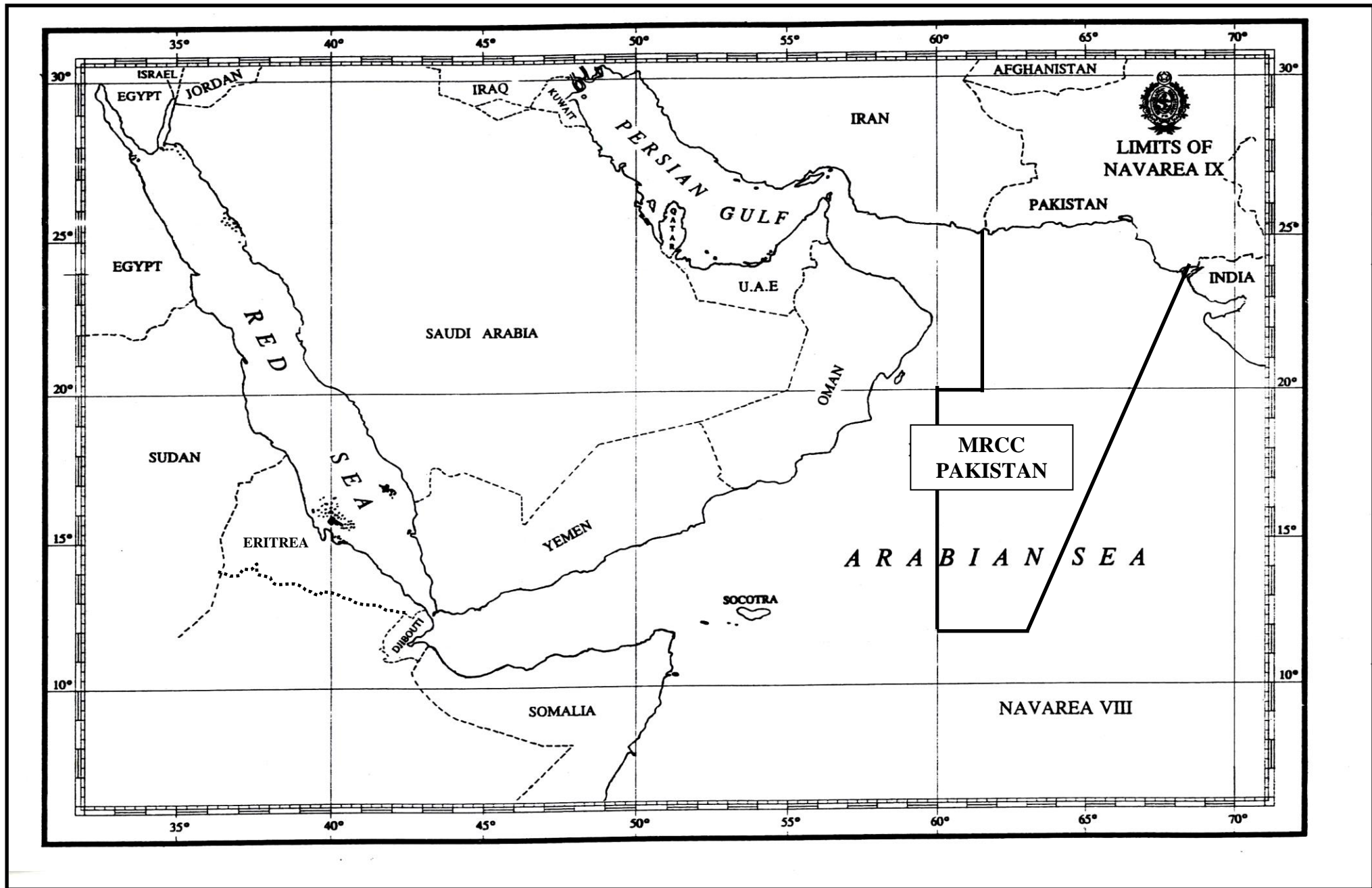
b. There is a lack of effective communication with some NAVAREA IX countries. The same is summarized in the table below:

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)

