

BRIEF / ASSESSMENT OF NAVAREA IX FOR CPRNW MEETING

INTROCUCTION/BACK GROUND

1. NAVAREA IX is one of the 16 areas established through the Worldwide Navigational Warning Service (WWNWS). It consists of Northwest Arabian Sea, the Gulf and the Red Sea. 16 littoral states are bordering the area. Limits of Navarea IX are shown on the enclosed map. Pakistan assumed the responsibility of coordination of Navarea IX in 1976. Hydrographer of Pakistan Navy is the Navarea IX Coordinator. Since assuming this responsibility, Pakistan has been endeavouring to meet all requirements satisfactorily to ensure expeditious transmission of information that are significant for the safety of navigation, to mariners in the area.

SOURCES OF INFORMATION

2. Coordinator Navarea IX receives information relating to navigational hazards by MENAS, Port Authorities, National Coordinators/Authorities, Navarea Coordinators and Masters of ships etc. However, MENAS, Port & Shipping organization of Iran and Saudi Ports Authority are prime sources. Upon receipt, the information is assessed and a navigational warning is drafted in accordance with the IHO/IMO guidance document. Subsequently, the warning is transmitted through appropriate means.

PROMULGATION OF MSI BY NAVAREA IX COORDINATOR

3. Under the Global Maritime Distress and Safety System (GMDSS), Navarea IX Coordinator issues the following two types of MSI:

- a. Navarea IX warnings through International Safety Net.
- b. Coastal warnings through NAVTEX.
- c. All inforced warnings & NTMs are available on hydrographic Deptt website www.paknavy.gov.pk/hydro

4. **Navarea IX Warnings:** Scheduled Navarea IX broadcast are run through INMARSAT using Perth LES daily at 0800 UTC. Perth LES is accessed through Internet. Unscheduled broadcast for urgent navigational warnings is done at any time. A

numerical list of all Navarea IX warnings enforce is broadcast each Saturday. A reprint of all Navarea IX warnings issued in the current week is included in the weekly Edition of Pakistan Notices to Mariners. Special emphasis is given to drafting of messages and their promulgation as per International Safety Net manual.

5. **Coastal Warnings**: These warnings are broadcast on NAVTEX on 518 kHz from GMDSS Coast Radio Station, Karachi. Navigational warnings are broadcast six times a day i.e. after every four hours at 0230, 0630, 1030, 1430, 1830 and 2230 UTC. Weather messages are transmitted at 0630 and 1830 UTC daily. Details are given in Admiralty List of Radio Signals Volume 5 (NP 285, 2001 Edition). Instructions contained in NAVTEX manual are being strictly followed.

6. **Notices to Mariners**: Navarea IX Coordinator issues a Weekly Edition and an Annual Edition of Pakistan Notices to Mariners. A weekly Edition includes the following four sections:

- | | | |
|-------------|---|--|
| Section-I | : | Notices to Mariners |
| Section-II | : | Reprints of Navarea IX and Coastal Warnings issued during the current week |
| Section-III | : | Corrections to Sailing Directions |
| Section-IV | : | Marine Information |

In addition, annual Summary of Pakistan Notices to Mariners containing Permanent and Temporary & Preliminary Notices is issued regularly.

MONITORING OF MSI BROADCAST

7. In order to ensure the integrity of the MSI being received by mariners, Coordinator Navarea IX monitors its broadcasts by placing an INMARSAT C terminal at shore. Similarly, NAVTEX broadcasts are also monitored.

NAVTEX STATIONS COVERING NAVAREA IX

8. At present, there are 8 NAVTEX stations fully operational in NAVAREA IX. Details of these are attached herewith.

MF, HF AND VHF DSC COAST STATIONS IN NAVAREA IX

9. With regard to MF, HF and VHF DSC facilities, from the available sources, Karachi is the only Coast Radio Station in NAVAREA IX, which is fully operational. However, VHF DSC coast station at Jeddah, Dammam, and UAE are presently operational. Details of MF, HF and VHF DSC coast stations with their status of implementation are enclosed herewith.

DISTRESS, SEARCH AND RESCUE

10. Pakistan is the member of Global Search and Rescue Organization and performs the important task of rescue coordination centre for Maritime Rescue Region R11-2. MRCC Pakistan is manned by Maritime Security Agency (MSA). MSA is well equipped to perform distress monitoring, communications, coordination and response functions. MRCC Pakistan is looking after an area of 840 NM and the area limits are as under.

a.	25° 10' N	061° 30' E
b.	20° 00' N	061° 30' E
c.	20° 00' N	060° 00' E
d.	12° 00' N	060° 00' E
e.	12° 00' N	063° 00' E
f.	23° 48' N	068° 05' E

PASSREPS FOR PAKISTAN TERRITORIAL WATERS

11. In pursuance to national and international laws, the government of Pakistan has decided, for the purpose of prevention, reduction and control of marine pollution in waters subject to its jurisdiction, to establish a Pakistan Ship Reporting System (PASSREPS) with immediate effect.

12. All vessels of above 100 gross tonnage carrying dangerous and hazardous cargo while transiting Pakistan Exclusive Economic Zone (EEZ) or calling on any Pakistani port

shall report details of such cargo at least 24 hours prior to entering Pakistan EEZ or 48 hours prior to entering any Pakistani port.

NAVAREA IX – LIST OF VHF DSC COAST STATIONS
FOR SEA AREA A1

<u>Country / Area</u>	<u>Name</u>	<u>MMSI</u>	<u>Position</u>	<u>Range M</u>	<u>Status of implementation</u>
BAHRAIN	NONE	-	-	-	NONE
DJIBOUTI	DJIBOUTI (Remotely Controlled Stations) PIC DU DAY	- -	NI NI	NI NI	PLANNED PLANNED
EGYPT	QUSIER Remotely controlled station DAHAB HURGHADA RAS GHARIB SAFAGA SHARM-EL-SHEIKH ZELLYA EL SUWEIS (SUEZ) ZHAFARANA	006221112	26° 06' N 34° 17' E 28° 29' N 34° 29' E 27° 15' N 33° 48' E 28° 22' N 33° 04' E 26° 45' N 33° 56' E 27° 51' N 34° 13' E 27° 49' N 33° 35' E 29° 58' N 32° 33' E 29° 07' N 32° 39' E	28 23 28 28 28 24 29 22 27	OPERATIONAL
IRAN	BAHONOR BANDAR-E ABBAS BUSHEHR BANDAR KHOMEYNI KHARG KHORRAMSHAHR LENGEH	004225308 004225304 004225302 004225300 004225306 004225309 004225307	27° 18' N 57° 17' E 27° 07' N 56° 04' E 28° 58' N 50° 50' E 30° 30' N 49° 09' E 29° 16' N 50° 15' E 30° 20' N 48° 23' E 26° 33' N 54° 53' E	25 25 25 25 25 25 25	OPERATIONAL OPERATIONAL OPERATIONAL OPERATIONAL OPERATIONAL OPERATIONAL OPERATIONAL
IRAQ	NONE	-	-	-	NONE
JORDAN	AQABA (Remotely Controlled Stations) AQABA (PORT CONTROL)	004381234	29° 27' N 34° 58' E 29° 30' N 34° 59' E	25 25	OPERATIONAL
KUWAIT	KUWAIT	004472188	29° 22' N 47° 59' E	NI	OPERATIONAL
OMAN	MUSCAT	-	23° 36' N 58° 30' E	30	PLANNED
PAKISTAN	KARACHI ORAMRA GWADAR	004634060 004634056 004634052	24° 52' N 67° 01' E 25° 13' N 64° 38' E 25° 08' N 64° 20' E	40 40 40	OPERATIONAL OPERATIONAL OPERATIONAL

QATAR	MESAIEED	004661001	25° 56' N 51° 35' E	50	OPERATIONAL
SAUDI ARABIA	JEDDAH (PERSIAN GULF) (Remotely Controlled Stations)	004030000	21° 15' N 39° 10' E	30	OPERATIONAL
	AL JUBAYL (JUBAIL)		27° 00' N 49° 39' E	33	
	DAMMAM		26° 26' N 50° 06' E	33	
	AZIZIAH (HALF MOON BEACH)		26° 15' N 50° 10' E	33	
	KHAFFI		28° 26' N 48° 29' E	33	
	JEDDAH RADIO (RED SEA) (Remotely Controlled Stations)	004030000			OPERATIONAL
	AL BIRK		18° 12' N 41° 32' E	35	
	AL LITH		20° 08' N 40° 16' E	35	
	AL QUNFUDHAH		19° 07' N 41° 05' E	33	
	AL SHAQIQ		17° 43' N 42° 01' E	35	
	AL SHOAIBAH		20° 40' N 39° 31' E	35	
	AL WAJH		26° 14' N 36° 27' E	33	
	DUBA		27° 21' N 35° 42' E	33	
	JIZAN		16° 53' N 42° 32' E	35	
	OBHUR		21° 43' N 39° 06' E	33	
	RABIGH		22° 48' N 39° 01' E	33	
	UMM LAJJ		25° 01' N 37° 16' E	33	
	YANBU		24° 05' N 38° 03' E	33	
SOMALIA	NONE	-	-	-	NONE
SUDAN	JEBEL ERBA	-	NI	NI	PLANNED
UAE	EMIRATES (Remotely Controlled Stations)	004700000		-	OPERATIONAL
	ABU DHABI		24° 28' N 54° 22' E	25	
	FUJEIRAH	-	25° 04' N 56° 21' E	--	
	KHOR FAKHAN	-	25° 21' N 56° 22' E	--	
	RAS AL KHAIMA	-	25° 47' N 55° 59' E	--	
	RAS AL QUWAIN	-	25° 32' N 55° 32' E	--	
	JEBAL ALI	-	25° 02' N 55° 06' E	--	
	RUWAIS (JEBAL DHANA)	-	24° 06' N 52° 44' E	--	
	ZIRKU	-	24° 53' N 53° 04' E	--	
		-			
YEMEN	NONE	-		-	NONE

NI – No Information

NAVAREA IX – LIST OF MF DSC COAST STATIONS
FOR SEA AREA A2

<u>Country / Area</u>	<u>Name</u>	<u>MMSI</u>	<u>Position</u>	<u>Range M</u>	<u>Status of implementation</u>
BAHRAIN	NONE	-	-	-	NONE
DJIBOUTI	DJIBOUTI	-	NI	NI	PLANNED
EGYPT	QUSIER	006221112	26° 07' N 34° 17' E	200	OPERATIONAL
IRAN	BANDAR-E ABBAS	004225304	27° 07' N 56° 04' E	NI	PLANNED
	BUSHEHR	004225302	28° 58' N 50° 50' E	NI	PLANNED
	CHABAHAR	004225301	25° 17' N 60° 38' E	NI	PLANNED
IRAQ	NONE	-	-	-	NONE
JORDAN	AQABA	004381234	29° 33' N 34° 59' E	350	OPERATIONAL
KUWAIT	KUWAIT	004472188	29° 22' N 47° 59' E	NI	OPERATIONAL
OMAN	MUSCAT	-	23° 36' N 58° 30' E	100	PLANNED
PAKISTAN	KARACHI	004634060	24° 52' N 67° 01' E	250	OPERATIONAL
QATAR	NONE	-	-	-	NONE
SAUDI ARABIA	JEDDAH	004030000	-	NI	PLANNED
	Remotely Controlled Station				
	JEDDAH (RED SEA)		21° 23' N 39° 11' E	500	OPERATIONAL
	DAMMAM (PERSIAN GULF)		26° 26' N 50° 06' E	NI	
SOMALIA	NONE	-	-	-	NONE
SUDAN	PORT SUDAN	-	NI	-	PLANNED
UAE	TBD		-	-	PLANNED
YEMEN	NONE	-		-	NONE

NI – No Information

TBD – To be decided

NAVAREA IX – LIST OF HF DSC COAST STATIONS
FOR SEA AREA A3 / A4

<u>Country / Area</u>	<u>Name</u>	<u>MMSI</u>	<u>Operational frequency bands</u>	<u>Status of implementation</u>
EGYPT	EL ISKANDARIYA (ALEXANDRIA)	006221111	4,6,8,12 & 16 MHz	OPERATIONAL
JORDAN	AQABA	-	4,8,12 & 16 MHz	PLANNED
KUWAIT	KUWAIT	004472188	4,6,8,12 & 16 MHz	OPERATIONAL
OMAN	MUSCAT	-	4,8,12 & 16 MHz	PLANNED
PAKISTAN	KARACHI	004634060	4,6,8,12 & 16 MHz	OPERATIONAL
SUDAN	PORT SUDAN	-	-	PLANNED

NI – No Information

NAVAREA IX – LIST OF NAVTEX STATIONS

<u>Country / Area</u>	<u>Name</u>	<u>Position</u>	<u>Range</u>	<u>Status of implementation</u>
BAHRAIN	BAHRAIN [B]	26° 09' N 50° 28' E	300	OPERATIONAL
EGYPT	QUSEIR [V]	26° 06' N 34° 17' E	350	OPERATIONAL
	SERAPEUM (ISMILIA) [X]	30° 28' N 32° 22' E	400	OPERATIONAL
IRAN	BANDAR ABBAS [F]	27° 07' N 57° 04' E	300	OPERATIONAL
	BUSHEHR [A]	28° 58' N 50° 50' E	300	OPERATIONAL
OMAN	MUSCAT [M]	23° 36' N 58° 30' E	270	OPERATIONAL
PAKISTAN	KARACHI [P]	24° 51' N 67° 03' E	400	OPERATIONAL
SAUDI ARABIA	JEDDAH [H] (RED SEA)	21° 23' N 39° 11' E	390	OPERATIONAL
	DAMMAM [G] (PERSIAN GULF)	26° 26' N 50° 06' E	390	OPERATIONAL

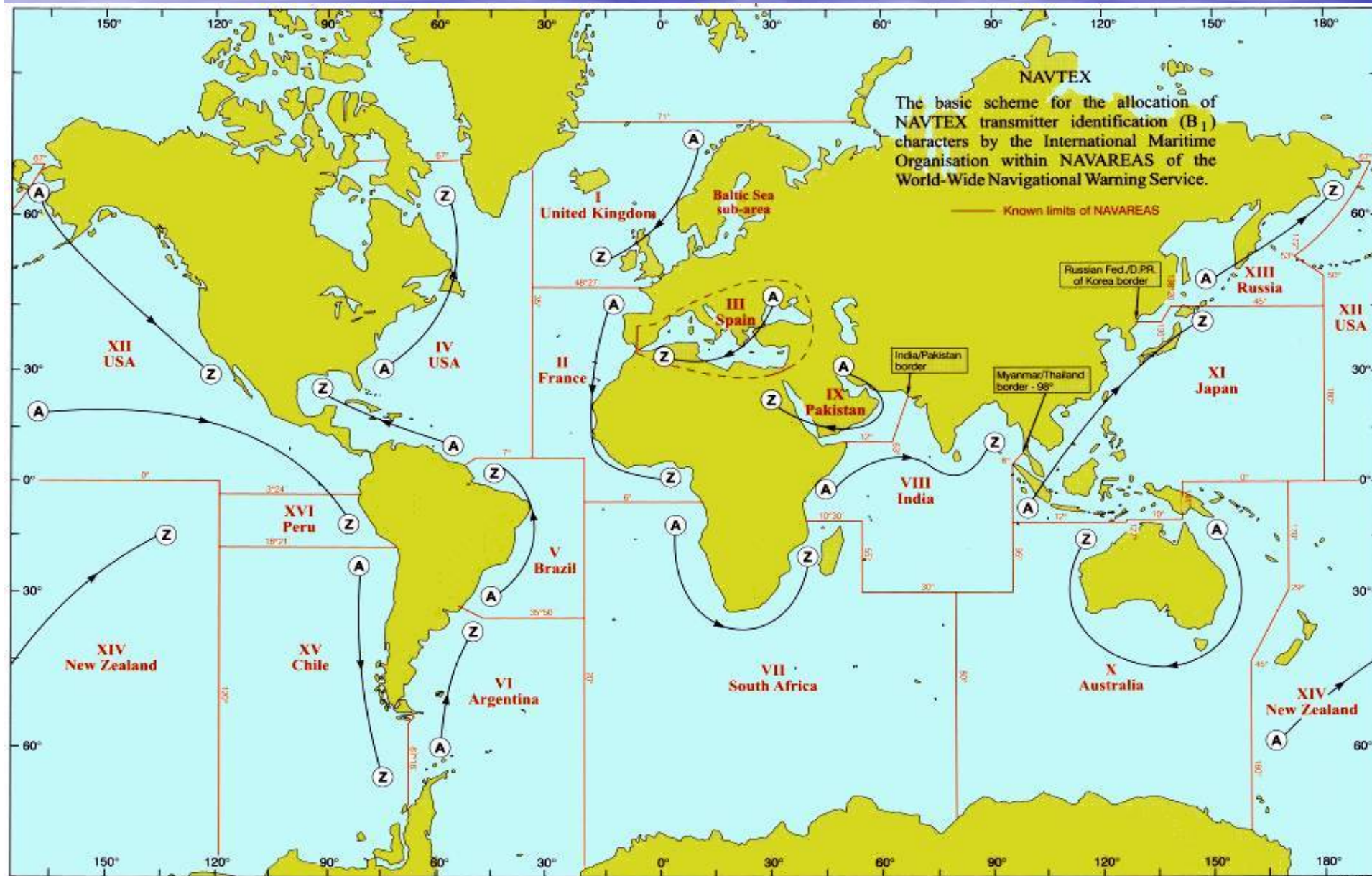




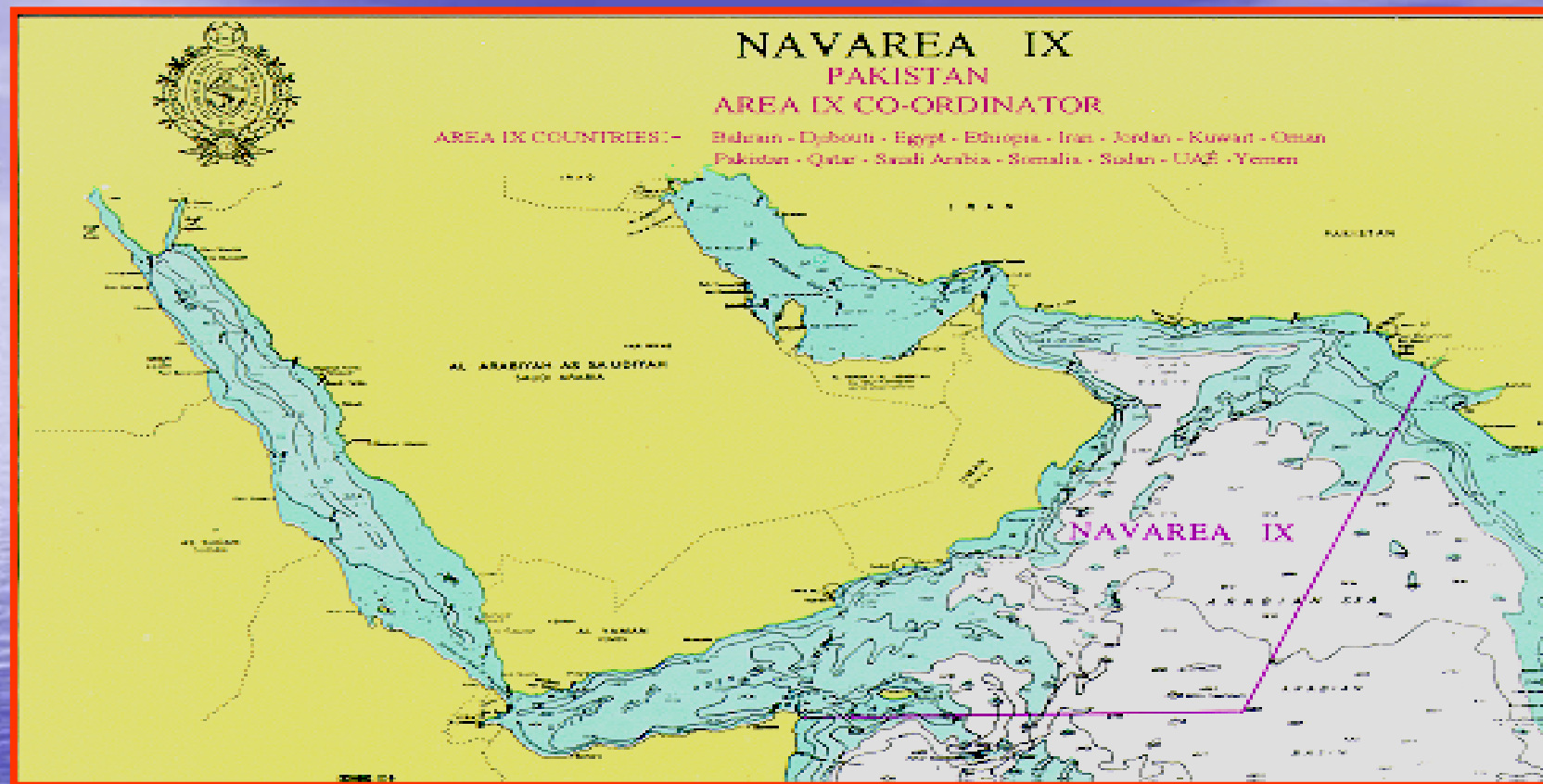
HEADQUARTERS

NAVAREA - IX

NAVAREA/METAREA



NAVAREA - IX



NATIONAL CO-ORDINATORS

Bahrain, Djibouti, Egypt, Ethiopia, Iran, IRAQ
Jordan, Kuwait, Oman, Pakistan, Qatar,
Saudi Arabia, Somalia, Sudan, UAE, Yemen

SOURCES OF INFORMATION

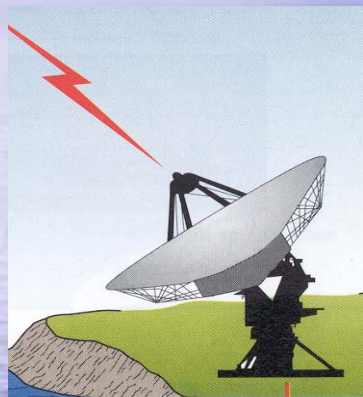
- **Mariners**
- **National / Sub Area Coordinators**
- **Hydrographic Notes**
- **Local Agencies / Port Authorities**

TYPES OF MESSAGES

- NAVAREA IX WARNINGS
- COASTAL WARNINGS
- WPG MESSAGES
- NTMs ISSUED BY HYDROGRAPHIC
OFFICE



PROMULGATION OF NAVIGATIONAL WARNINGS



THROUGH INMARSAT VIA LES
PERTH



THROUGH NAVTEX STATION AT
KARACHI (KARACHI RADIO)



INFORMATION PROMULGATED AS NAVIGATIONAL WARNINGS

- Navigational warnings
- Metrological warnings
- Ice reports
- Search and Rescue Information
- Metrological forecast
- Pilot service messages
- Electronic navigation system update messages

AGENCIES IN PAKISTAN ASSOCIATED WITH GMDSS

ORGANIZATION	TASK	REMARKS
Pakistan Hydrographic Department - Karachi	HQ NAVAREA –IX, Navigational Warnings Provider	Transmission of Navwarnings and Coastal Warnings
Karachi Radio	MF NAVTEX Service for NAVAREA-IX, RCC & METAREA – IX	Transmitting Station
MSA – Karachi	MRCC	Maritime Rescue Coordination Center
Pakistan Metrological Department	HQ METAREA – IX, Weather warnings and Forecast Providers	Transmission of weather warnings and forecasts.
SUPARCO	Registration of COSPAS - SARSAT 406 MHz Beacons	
PAMCC - Lahore	COSPAS-SARSAT Mission Control Centre	Low Earth Orbit Search and Rescue Satellites

NAVAREA-IX SAFETYNET SCHEDULE

Navigation Information	Met Information
0800 UTC	0700 UTC

PAKISTAN NAVTEX SCHEDULE

TIME UT	Weather Bulletin	Navigational Warnings
0230		Yes
0630	Yes	Yes
1030		Yes
1430		Yes
1830	Yes	Yes
2230		Yes

CONCEPT

