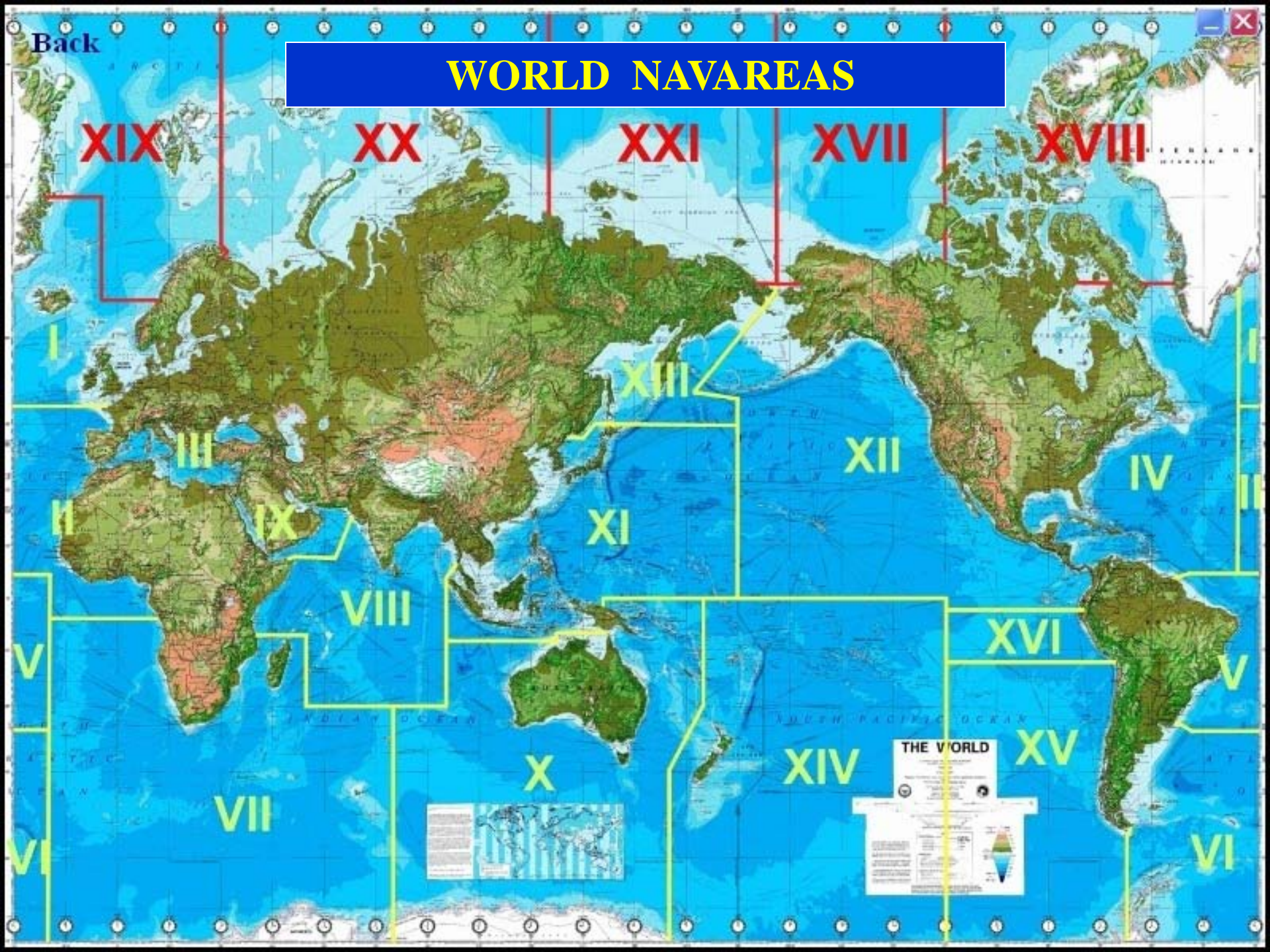


HEADQUARTERS

*NAVAREEA - IX*

# WORLD NAVAREAS



XIX

XX

XXI

XVII

XVIII

I

III

XIII

XII

IV

II

IX

XI

VIII

XVI

V

V

X

XIV

XV

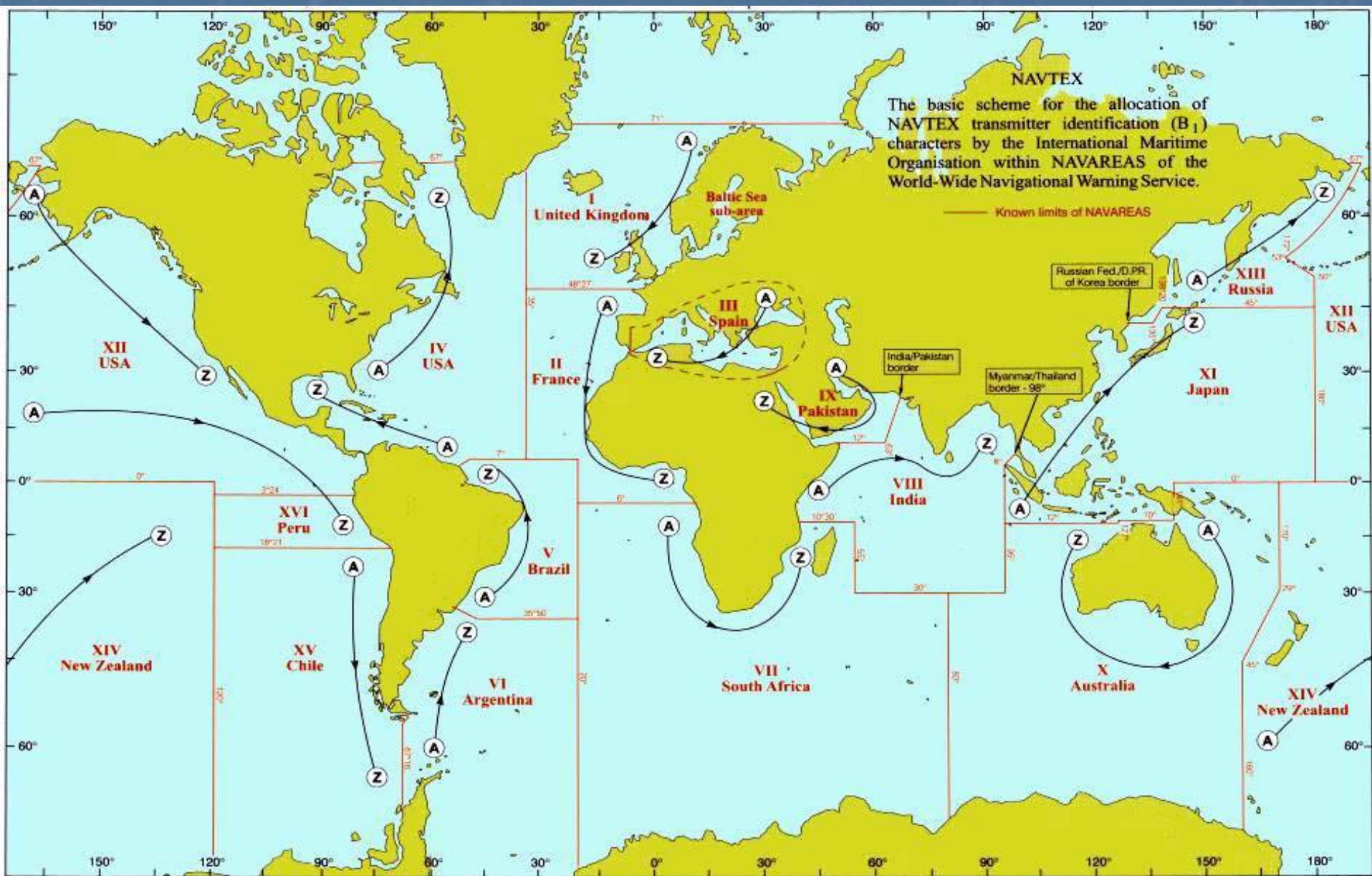
VII

VI

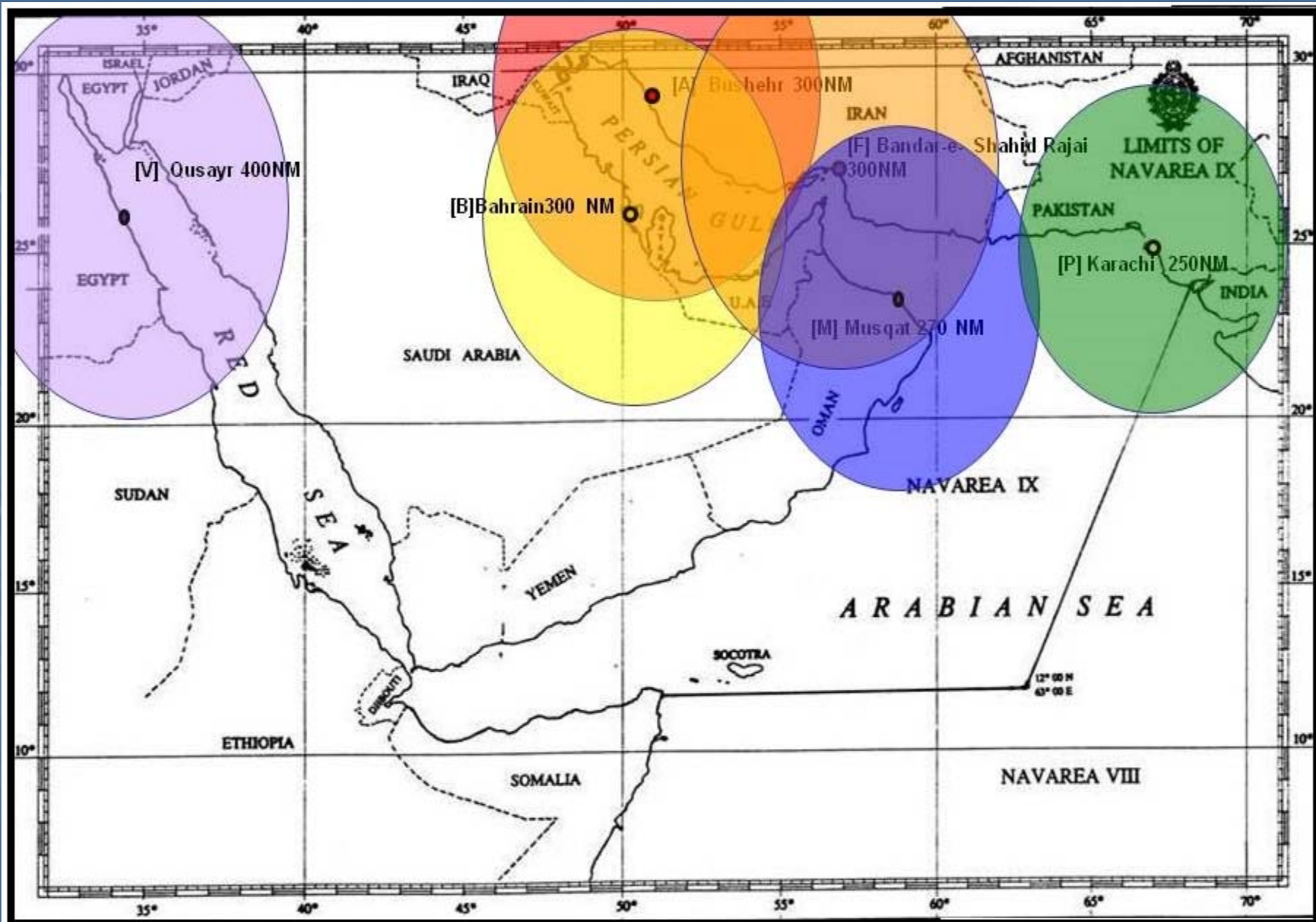
VI

THE WORLD

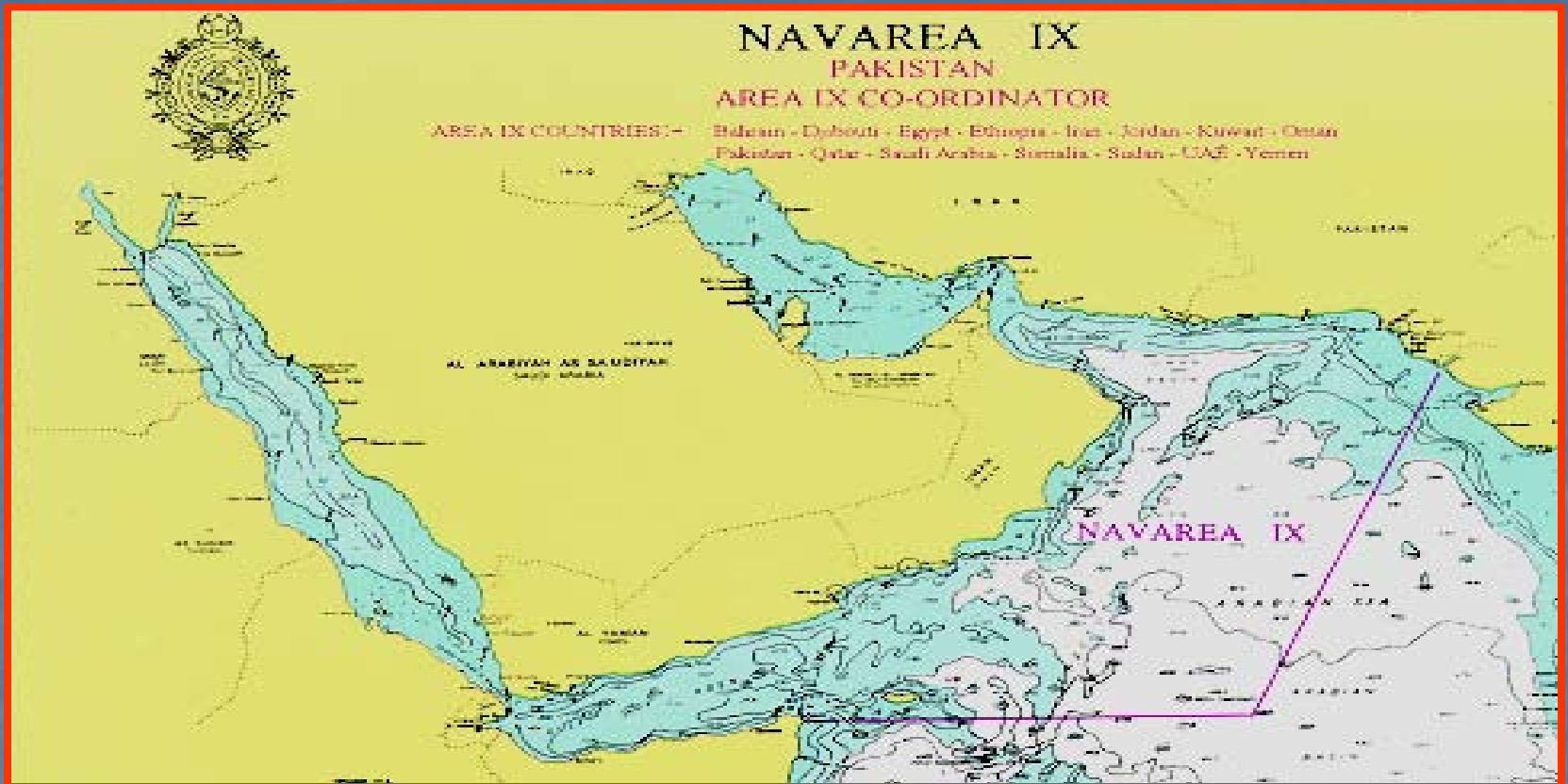
# NAVAREA/METAREA



# NAVAREA-IX NAVTEX STATIONS



# NAVAREA - IX



## NATIONAL CO-ORDINATORS



PAKISTAN



BAHRAIN



SOMALIA



YEMEN



IRAN



KUWAIT



ERITREA



OMAN



SAUDIA



EGIPT



UAE



JORDAN



QATAR



D JIBOUTI



SUDAN



IRAQ

# SOURCES OF INFORMATION

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

# TYPES OF MESSAGES

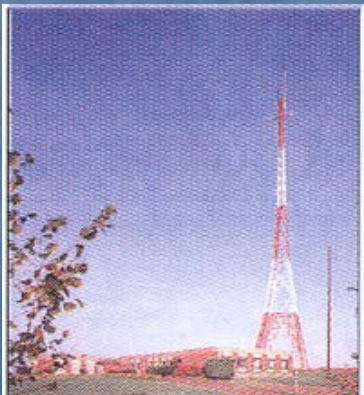
- NAVAREA IX WARNINGS
- COASTAL WARNINGS
- WPG MESSAGES
- NTMs ISSUED BY HYDROGRAPHIC  
OFFICE



# PROMULGATION OF NAVIGATIONAL WARNINGS



THROUGH INMARSAT VIA LES  
BURUM



THROUGH NAVTEX STATION AT  
KARACHI (KARACHI RADIO)  
Presently NON OPS





# INFORMATION PROMULGATED AS NAVIGATIONAL WARNINGS

- Navigational warnings
- Metrological warnings
- 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
PMSA – 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

# Contact Information – NAVAREA IX

- Coordinator: Captain Muhammad Khalid , Hydrographer Pakistan Navy
- Website: [www.paknavy.gov.pk/hydro](http://www.paknavy.gov.pk/hydro)
- Email: [hydropk@paknavy.gov.pk](mailto:hydropk@paknavy.gov.pk), [hydrpk@gmail.com](mailto:hydrpk@gmail.com)
- Tel: +92 21 48506151-4, +92 21 48506142,
- Fax: +92 21-99201623, +92 21 99203246
- Address: HQ NAVAREA IX,  
Pakistan Navy Hydrographic Department  
Naval Headquarters  
11, Liaquat Barracks  
Karachi - 75530  
PAKISTAN

# NAVAREA-IX SAFETYNET SCHEDULE

<b>Navigational Information</b>	<b>Met Information</b>
<b>0300 and 1500 UTC</b>	<b>0630,0700 and 1830 UTC</b>

**REGISTERED INFORMATION PROVIDERS**  
(Eg. Hydrographic Office, RCC, Meteorological Office)

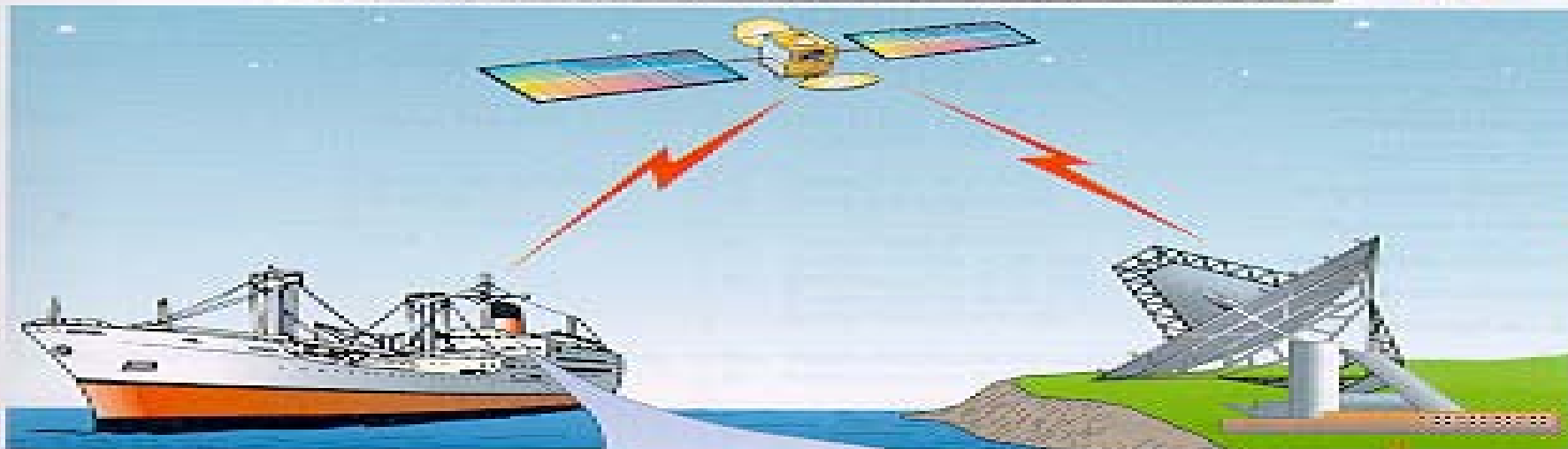
**NAVIGATIONAL  
WARNING  
CO-ORDINATOR**

**SEARCH AND  
RESCUE (SAR)  
CO-ORDINATOR**

**METEOROLOGICAL  
MESSAGE  
CO-ORDINATOR**

**INMARSAT COAST EARTH STATIONS**

**INMARSAT NETWORK CO-ORDINATION STATION**



**OPERATOR INPUT OPTIONS**

NAVAREA  
METEOROLOGICAL AREA  
POSITION  
SPECIAL SERVICES DESIRED  
GROUP CALL ID  
OCEAN AREA SELECTION

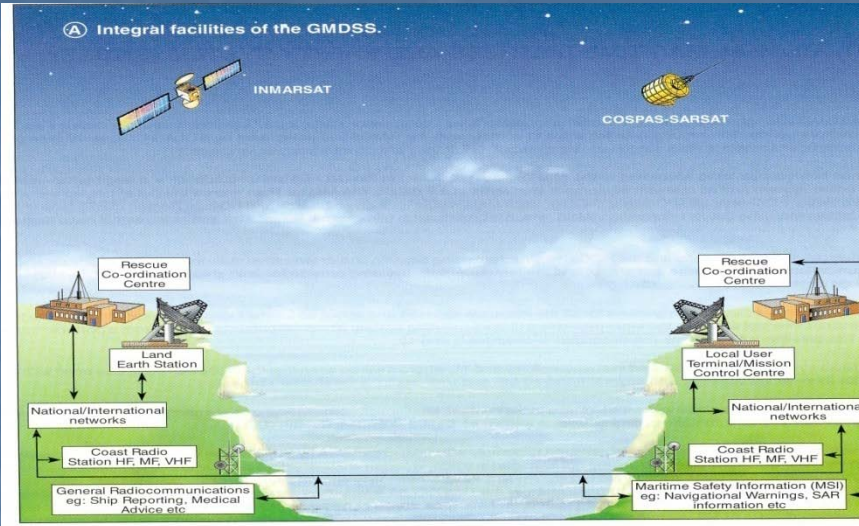
**ENHANCED GROUP  
CALL (EGC) RECEIVER**

RECEPTION  
DECODING  
DECISION  
PRINTING

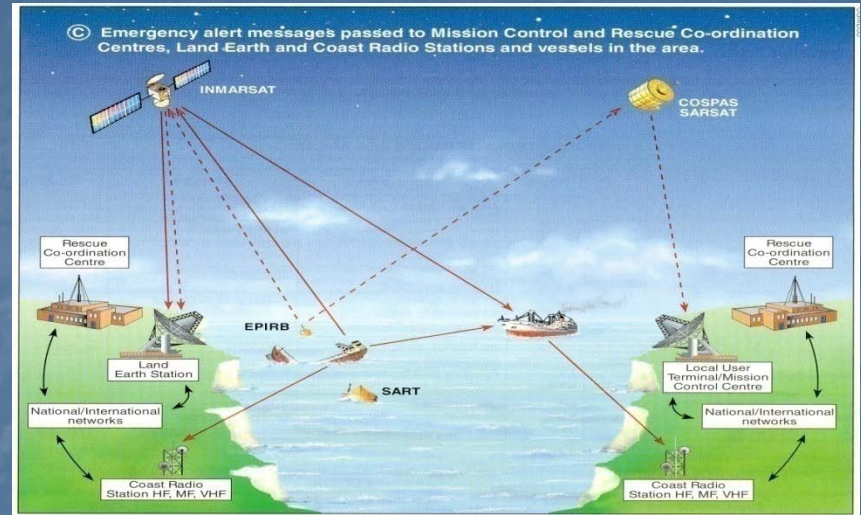
**AUTOMATED FUNCTIONS**

POSITION COMPARISON  
ASSESS DATA BURST RATE  
REJECT INADEQUATE/IRRELEVANT  
MESSAGE  
SUPPRESS ALREADY RECEIVED  
MESSAGES  
PRINT DECISION

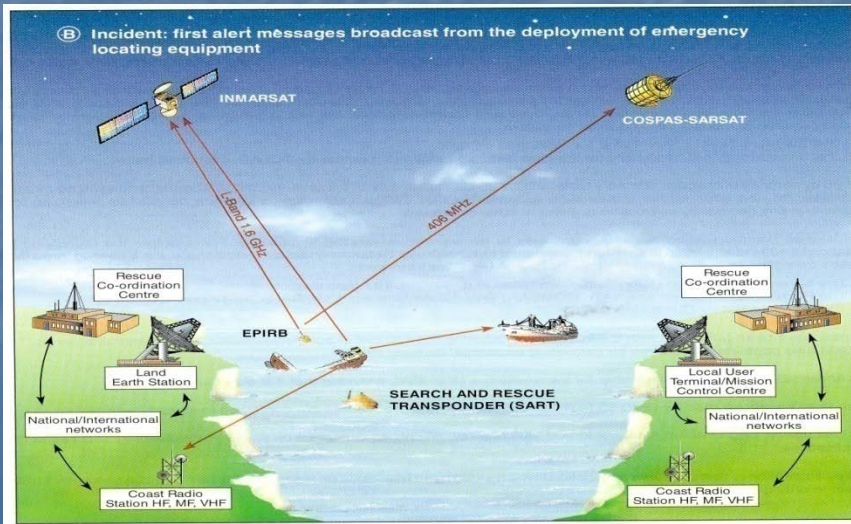
# BASIC CONCEPT - GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)



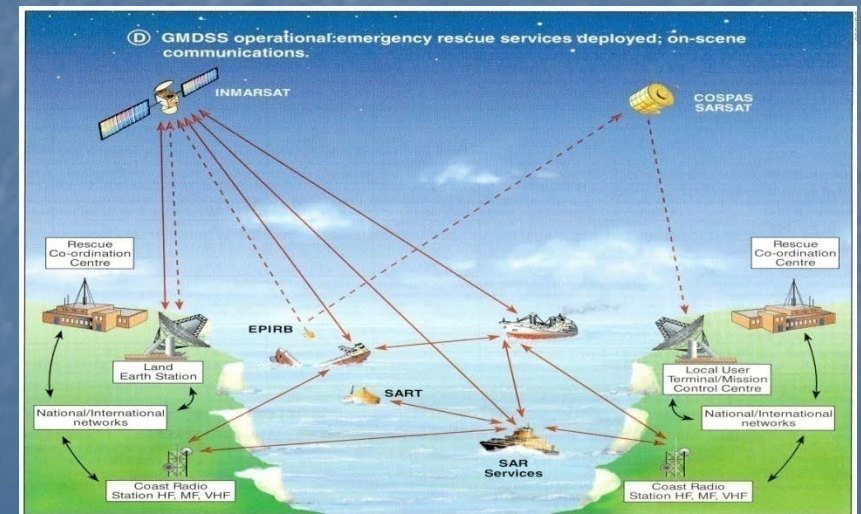
**A – Integral Facilities of the GMDSS**



**C – Emergency Alert Passed to RCC, Land Earth and Coast Radio Stations and Vessels in the Area.**



**B – Incident: 1<sup>st</sup> Alert Messages Broadcast from the Deployment of Emergency Locating Equipment**



**D – GMDSS Operation: Emergency Rescue Services Deployed; On Scene Comm**

# MARITIME SAFETY INFORMATION

## NAV WARNING

### SOURCE OF INFORMATION

AREA CO-ORDINATORS  
SUB AREA CO-ORDINATORS  
NATIONAL COORDINATORS  
MARINERS

## MET FORCAST

### MET DEPARTMENT

Ph: +92-21-99071300, 99071302,  
+99071322

Fax: +92-21-99248282

E-Mail: [srmetmojiap@outlook.com](mailto:srmetmojiap@outlook.com)

## SAR

### DG PORT & SHIPPING

### PMSA

Ph: +92-21- 99214624/99214864-7

Fax: +92-21- 99214625

E.Mail: [mrccpmsa@cyber.net.pk](mailto:mrccpmsa@cyber.net.pk)

[hqmsa@cyber.net.pk](mailto:hqmsa@cyber.net.pk)

### NAV AREA – IX HEAD QUARTER MARITIME SAFETY INFORMATION (CO-ORDINATION / EDITION)

### LOCAL NAVTEX

### KARACHI RADIO

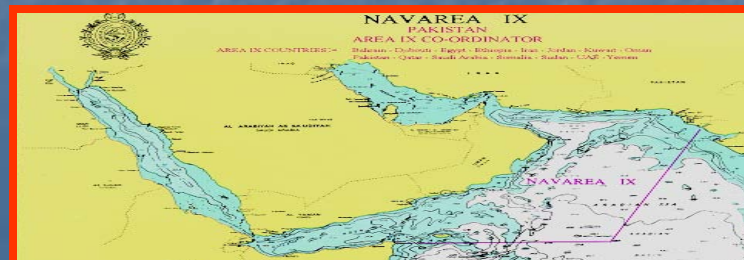
(ASK)

### PTCL SETUP

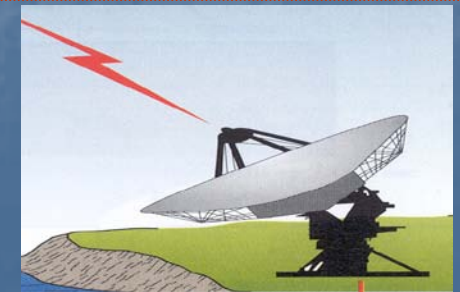
Ph: +92-21- 34591161

Fax: +92-21- 34591285

### AREA BROADCASTS (NAV AREA – IX)



### INMARSAT (0300 & 1500 UTC)



# NAVAREA – IX CONSISTS OF THE FOLLOWING 16 COUNTRIES

## RESPONSE COUNTRIES

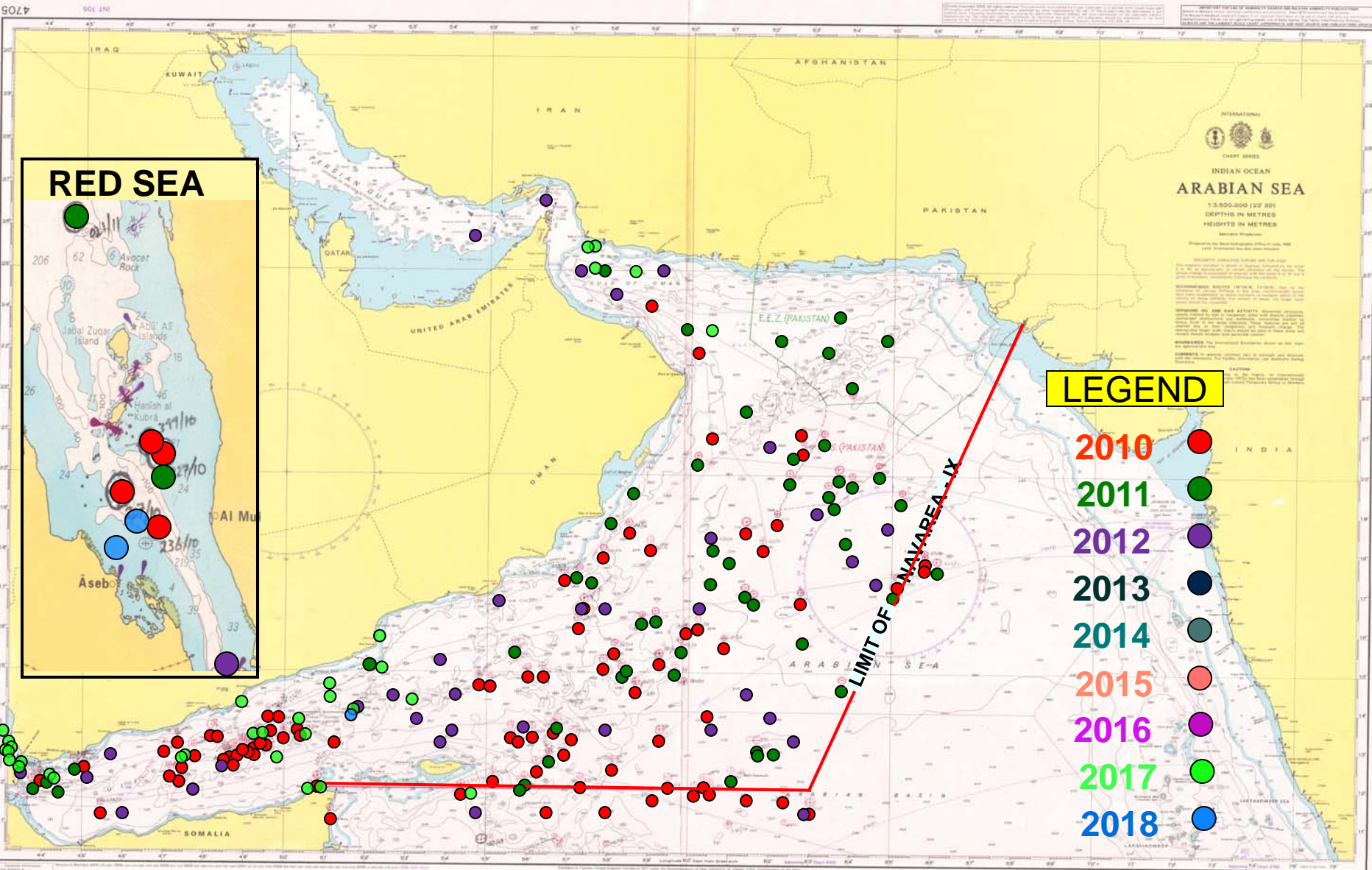
COUNTRY	2016	2017	2018	SOURCE OF INFORMATON
BAHRAIN	129	171	173	E-MAIL & FAX
IRAN	07	12	15	E-MAIL & FAX
OMAN	03	05	10	E-MAIL & FAX
SAUDIA	10	09	07	E-MAIL,FAX
EGYPT	133		01	POSTAL MAIL ONLY
MISC.	25		10	E-MAIL & FAX

## NOT RESPONDING COUNTRIES

IRAQ	NO RESPONSE
D'JIBOUTI	Nil
ERITREA	“
JORDAN	“
KUWAIT	“
QATAR	“
SOMALIA	“
SUDAN	“
UAE	“
YEMEN	“



# PIRACY WARNINGS



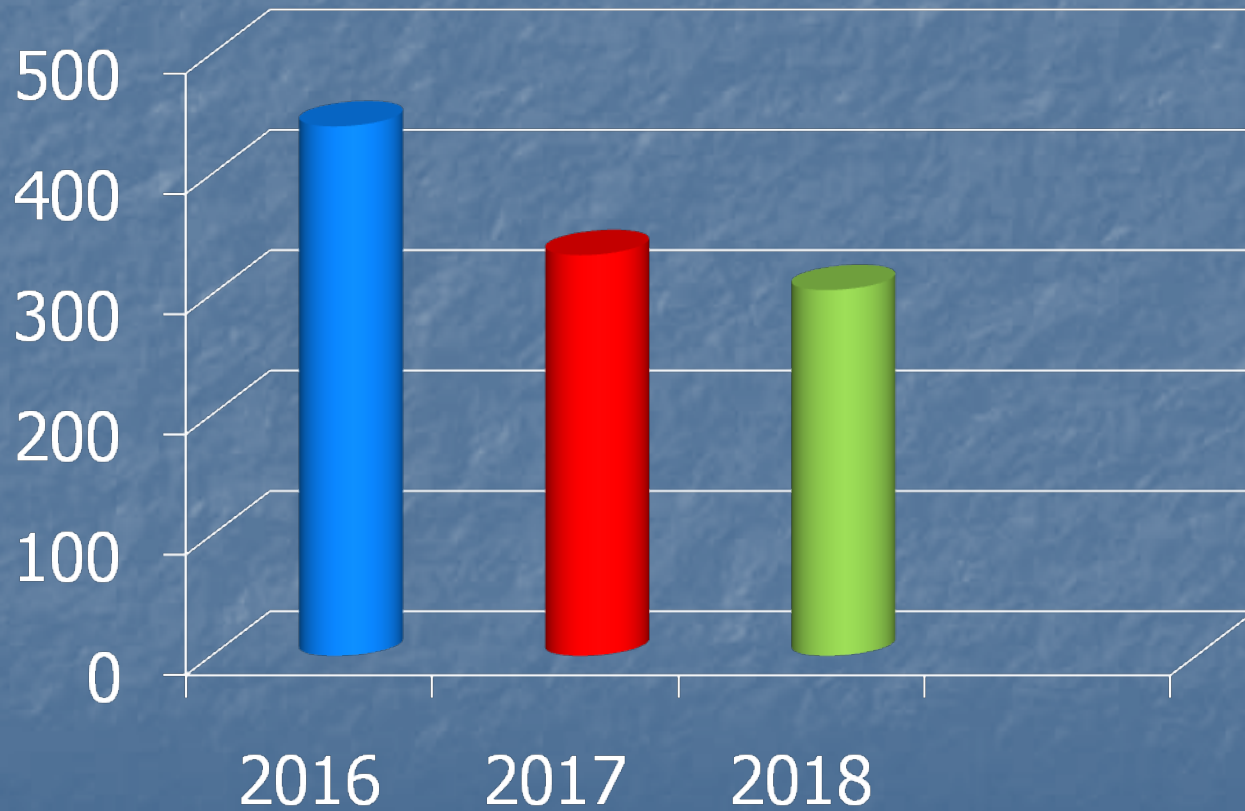
# MESSAGES RECEIVED FROM NAVAREA-IX COUNTRIES

COUNTRY	SOURCE
BAHRAIN	E-MAIL & FAX
IRAN	E-MAIL & FAX
OMAN	E-MAIL & FAX
SAUDIA	E-MAIL, FAX
EGYPT	POSTAL MAIL ONLY
MISC.	E-MAIL & FAX

IRAQ	NO RESPONSE
D'JIBOUTI	Nil
ERITREA	“
JORDAN	“
KUWAIT	“
QATAR	“
SOMALIA	“
SUDAN	“
UAE	“
YEMEN	“

## LIST OF NAVIGATIONAL WARNINGS ISSUED DURING LAST THREE YEARS

NAVAREA IX WARNINGS	2016	2017	2018
	440	333	304



**DETAIL THE NUMBER OF NAVAREA WARNINGS IDENTIFIED AS IMMEDIATE PRIORITY (REQUIRING TRANSMISSION WITHIN 30 MINUTES) AND THE AVERAGE ELAPSED TIME PER BROADCAST VIA SAFETYNET.**

2016		2017		2018	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
08	30-45 Minutes	49	30-45 Minutes	16	30-45 Minutes

**SPECIFICS OF REQUESTS FOR LIST OF IN-FORCE NAVIGATIONAL WARNINGS**

2016		2017		2018	
Total	E-mail	Total	E-mail	Total	E-mail
397	-	521	-	300	-

Q & A

THANK YOU

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