



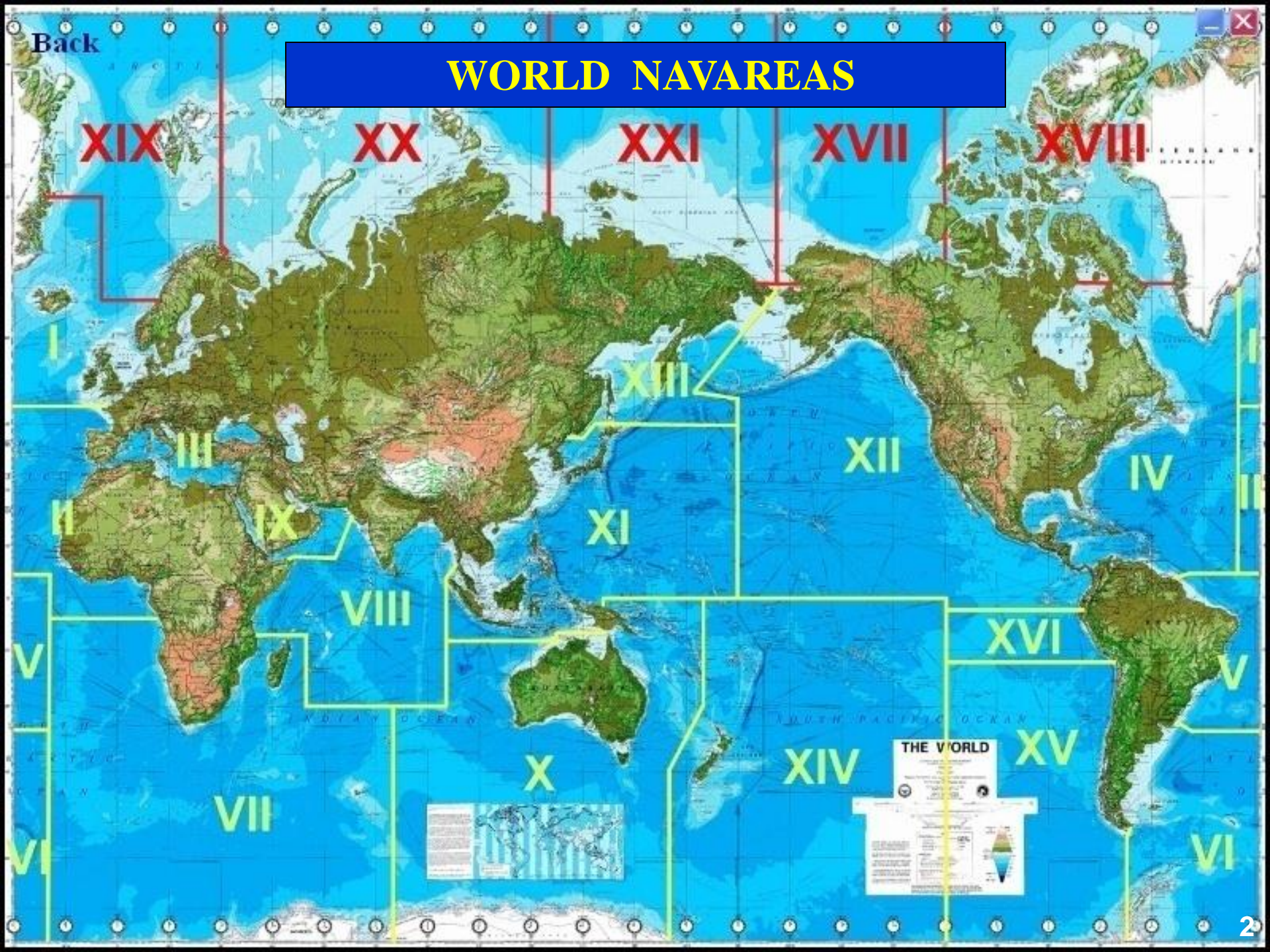
## 7<sup>th</sup> RSAHC MEETING

20-22 Feb 17

Muscat, OMAN

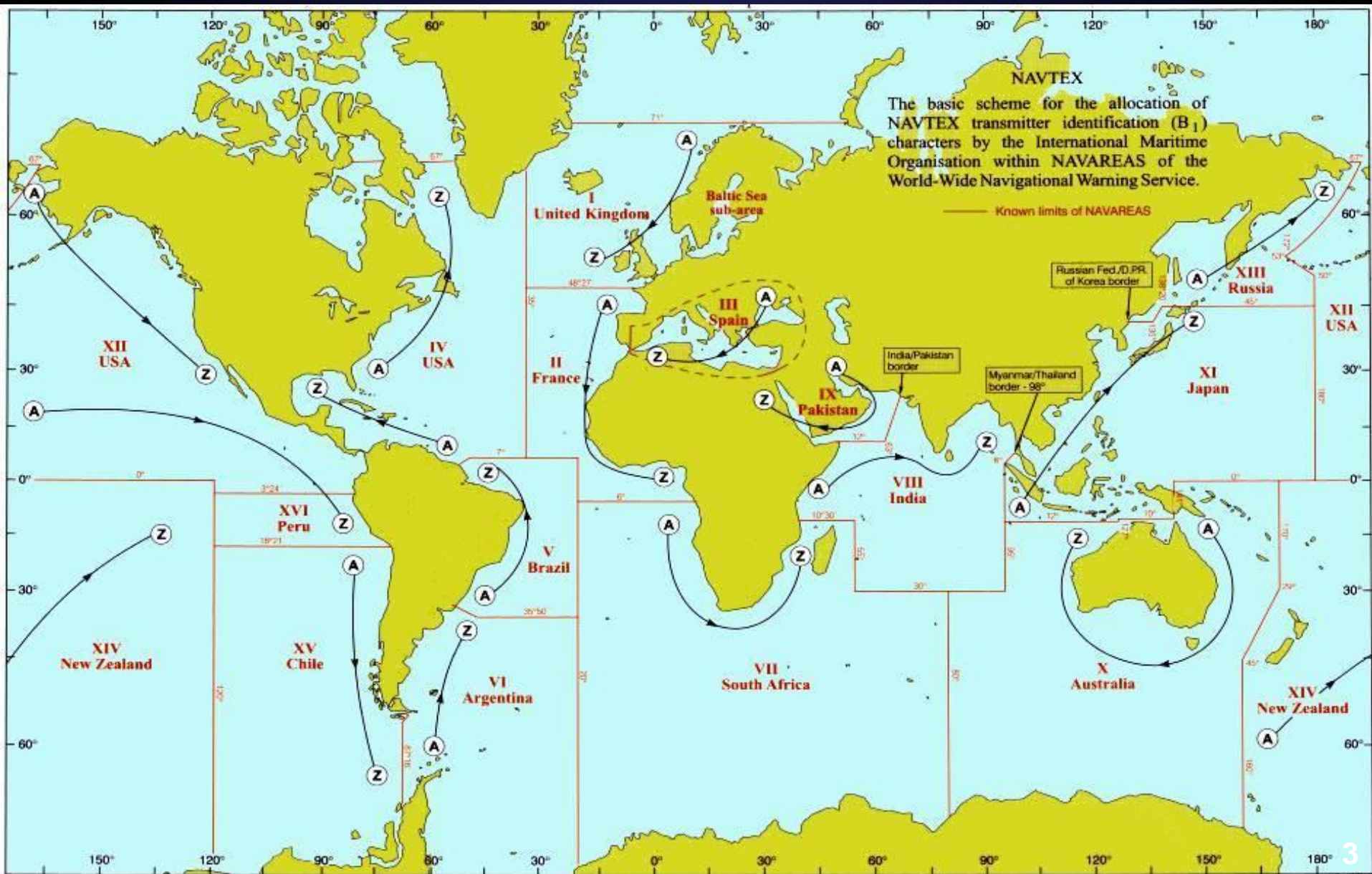


# WORLD NAVAREAS

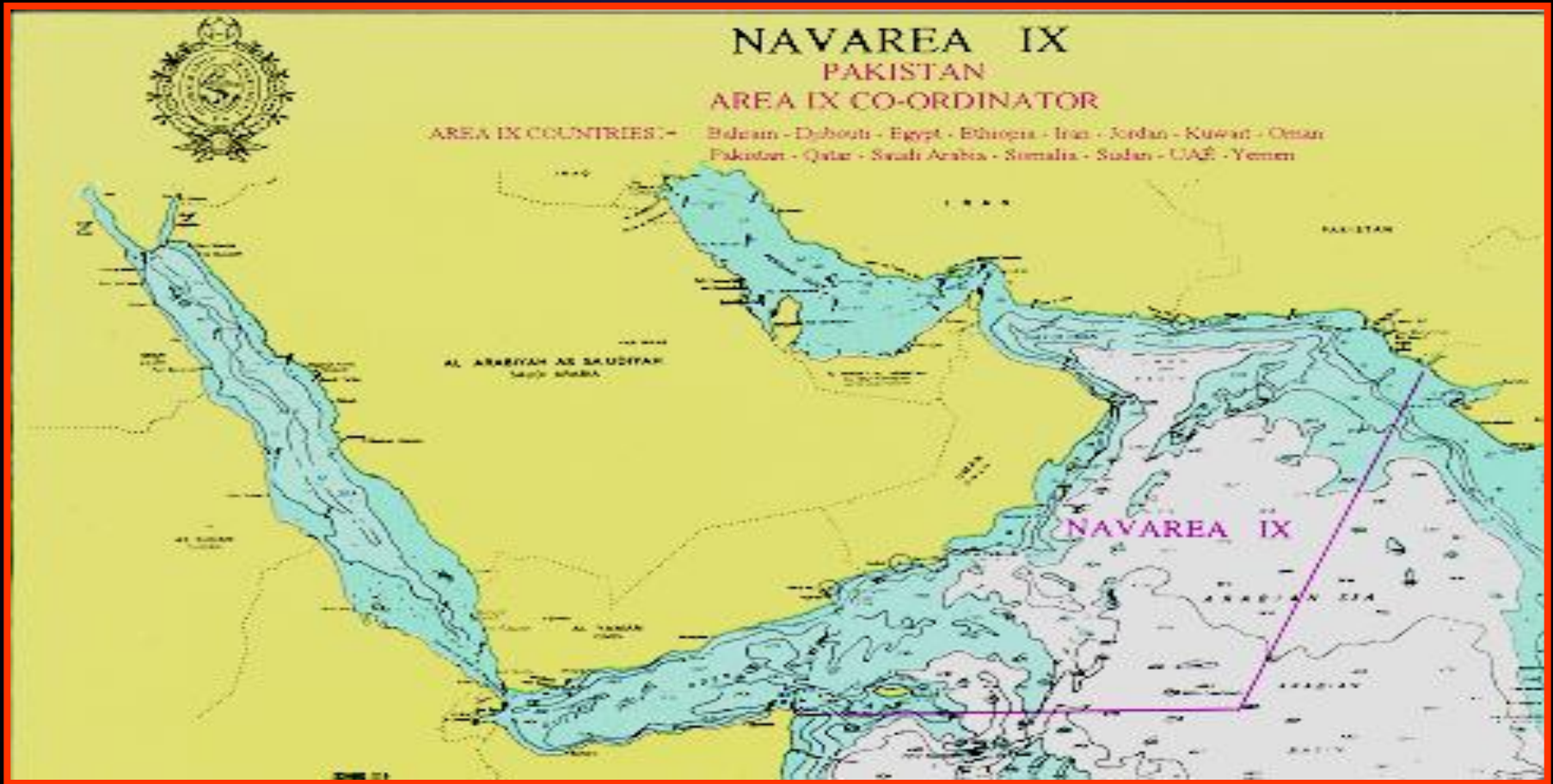




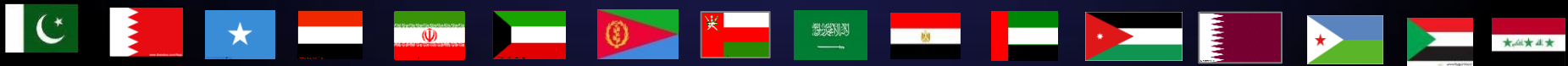
# NAVAREA / METAREA



# NAVAREA - IX

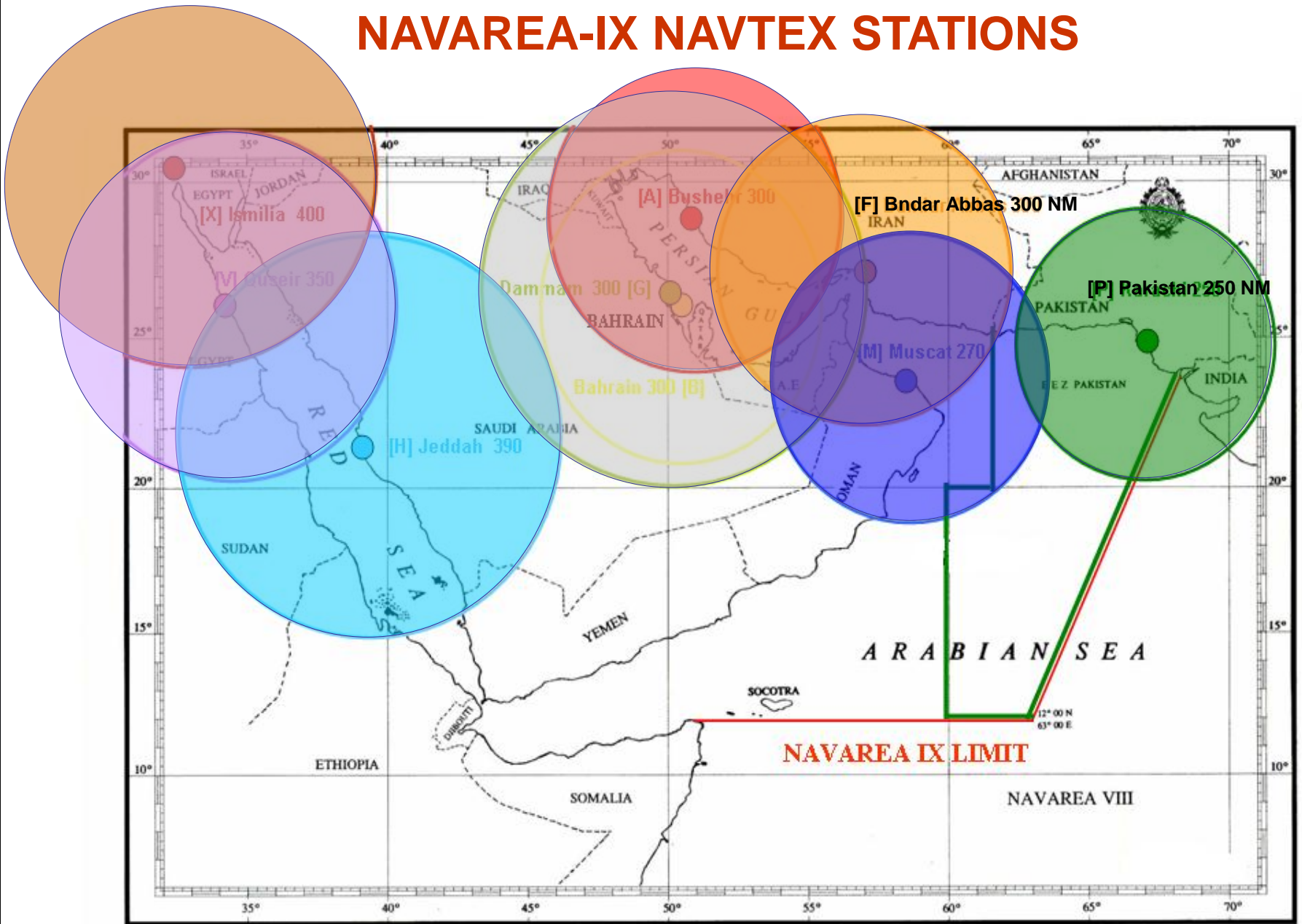


## NATIONAL CO-ORDINATORS





# NAVAREA-IX NAVTEX STATIONS



# SOURCES OF INFORMATION

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

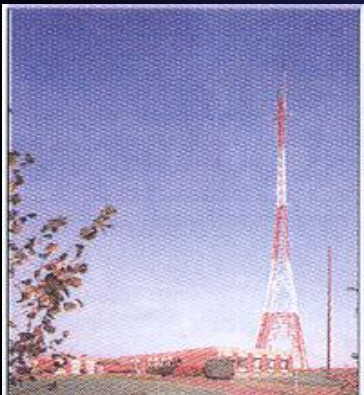
# TYPES OF MESSAGES

- 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

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

# CONTACT INFORMATION – NAVAREA IX

- Coordinator: Cdre Muhammad Arshad , 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 48506151-2,+92 21 48506821,+92 2148506142
- 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>

# MARITIME SAFETY INFORMATION

## NAV WARNING

### SOURCE OF INFORMATION

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

## MET FORECAST

### MET DEPARTMENT

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

Fax: +92-21-99248282

E-Mail: srmetmojiap@outlook.com  
pmdmmokarachi@gmail.com

## SAR

### DG PORT & SHIPPING

### PMSA

Ph: +92-21- 99214964-7 / 99214624

Fax: +92-21- 99214625

Email: mrccpmsa@cyber.net.pk  
hqmsa@cyber.net.pk

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

### LOCAL NAVTEX

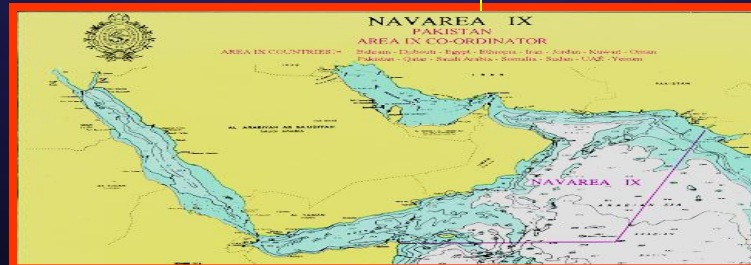
### KARACHI RADIO (ASK)

#### PTCL SETUP

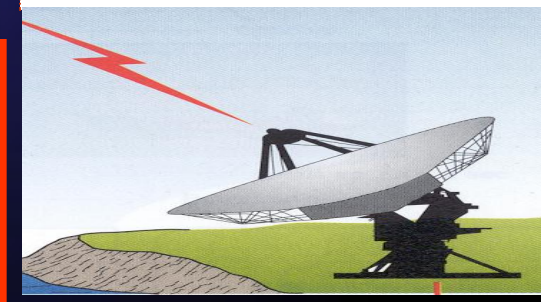
Ph: +92-21- 34591161

Fax: +92-21- 34591285

### AREA BROADCASTS (NAV AREA – IX)



### AREA –IX(0300 & 1500) INMARSAT



# NAVAREA – IX COUNTRIES COMM STATUS

## IN COMMs

COUNTRY	2014	2015	2016	SOURCE OF INFORMATON
BAHRAIN	56	56	129	E-MAIL & FAX
IRAN	04	34	10	E-MAIL & FAX
OMAN	04	Nil	Nil	E-MAIL & FAX
SAUDIA	10	10	09	E-MAIL, FAX
EGYPT	106	159	131	POSTAL MAIL ONLY
MISC.	40	29	19	E-MAIL & FAX

## COMMs REQUIRE ATTENTION

IRAQ	Nil
D’JIBOUTI	“
ERITREA	“
JORDAN	“
KUWAIT	“
QATAR	“
SOMALIA	“
SUDAN	“
UAE	“
YEMEN	“



# MESSAGES RECEIVED FROM NAVAREA-IX COUNTRIES TILL AUG 2016

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

# UPGRADING OF MSI SYSTEM-PAKISTAN

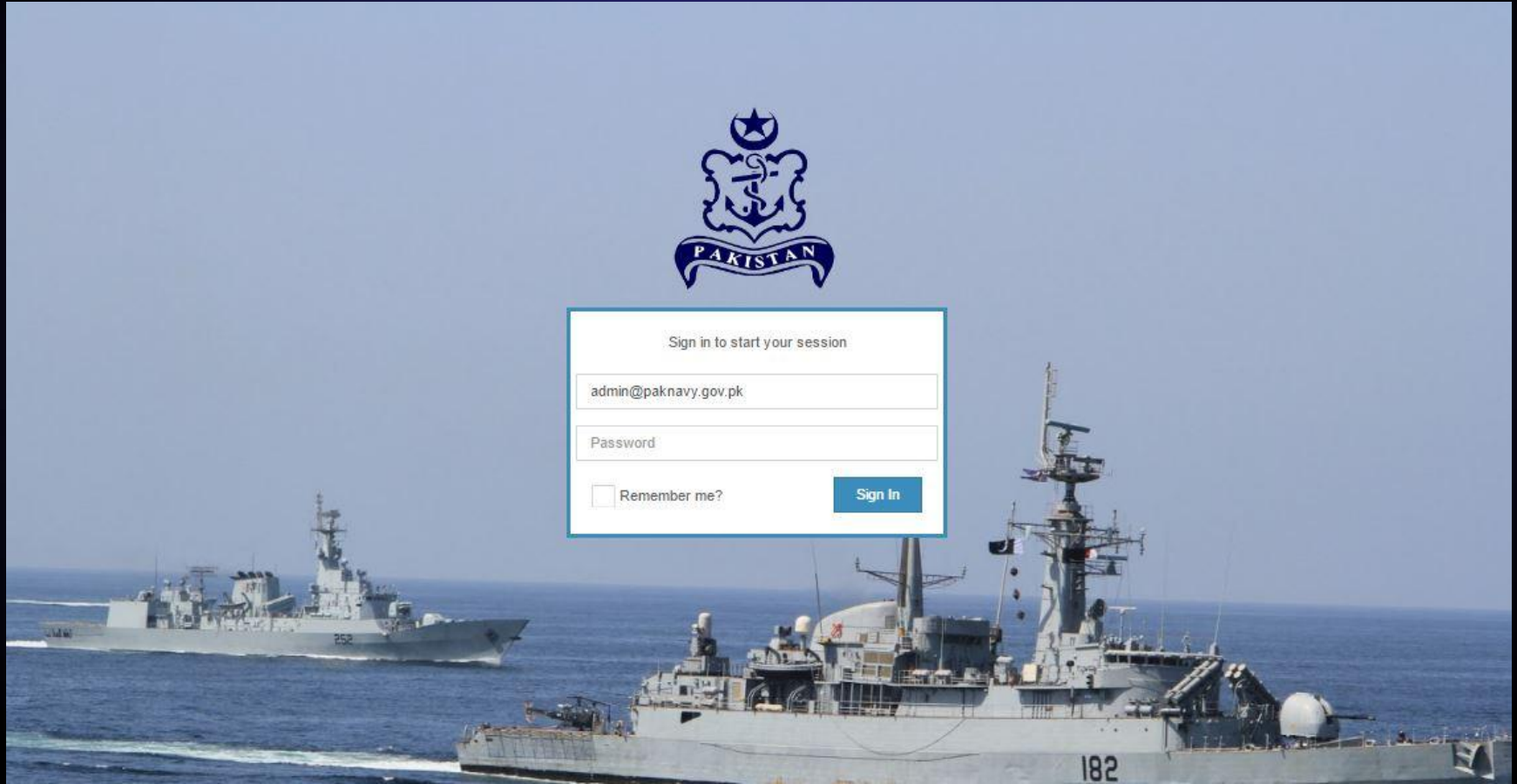


Sign in to start your session

admin@paknavy.gov.pk

Password

Remember me?

The image displays a login interface for the MSI system. It consists of a white rectangular box with a blue border. At the top, it says 'Sign in to start your session'. Below this are two input fields: the first contains the email address 'admin@paknavy.gov.pk' and the second is labeled 'Password'. At the bottom left, there is a checkbox labeled 'Remember me?'. At the bottom right, there is a blue button with the text 'Sign In' in white.

# UPGRADING OF MSI SYSTEM-PAKISTAN

**MSI** admin@paknavy.gov.pk

MAIN NAVIGATION

- Dashboard
- Users
- Fields
- PORT AUTHORITIES
- WARNING TYPES
- All Active Warnings
- Warning Reports/LES

Dashboard Control panel Home > Dashboard

**0** New Warnings / 36 Hour

**16** Active Warnings

**0** Expiring Warnings / 24 Hour

**0** Pending Warnings

WARNINGS

Warning Group:  Warning Type:  Active:  Status:

From Start Date:  To End Date:  By Warning ID:  By Year:

ID	Warning Group	Port Authority	Warning Type	Start Date	Active	Status	
006/17	WPG		Firing	1/11/2017	True	APPROVED	<input type="button" value="OPEN"/>
005/17	WPG		Firing	1/11/2017	True	APPROVED	<input type="button" value="OPEN"/>
004/17	WPG		Firing	1/4/2017	True	APPROVED	<input type="button" value="OPEN"/>



# UPGRADING OF MSI SYSTEM-PAKISTAN

The screenshot displays the MSI system interface. The top navigation bar shows the user is logged in as 'admin@paknavy.gov.pk'. The main navigation sidebar on the left includes options for 'Dashboard', 'Users', 'Fields', 'PORT AUTHORITIES', 'WARNING TYPES', 'All Active Warnings', and 'Warning Reports/LES'. The main content area is titled 'ADMIN Port Authorities' and features a 'New Port Authority' button. Below this is a table listing port authorities with columns for 'Geographical Location', 'Port Authority Name', and 'Status', and an 'Edit' button for each row.

Geographical Location	Port Authority Name	Status	
NAVAREA IX	Bahrain	True	Edit
NAVAREA IX	Djibouti	True	Edit
NAVAREA IX	Egypt	True	Edit
NAVAREA IX	Eriteria	True	Edit
NAVAREA IX	Iran	True	Edit
NAVAREA IX	Jordan	True	Edit

# UPGRADING OF MSI SYSTEM-PAKISTAN

The screenshot displays the administrative interface for the MSI system. The top navigation bar includes the MSI logo and the user email address, admin@paknavy.gov.pk. The left sidebar contains a main navigation menu with options: Dashboard, Users, Fields, PORT AUTHORITIES, WARNING TYPES (highlighted), All Active Warnings, and Warning Reports/LES. The main content area is titled 'ADMIN Warning Types' and features a 'New Warning Type' button. Below this is a table listing various warning types, each with a 'Status' column and an 'Edit' button.

Name	Status	
Buoy	True	Edit
Survey	True	Edit
Firing	True	Edit
Search & Rescue	True	Edit
Wrecking	True	Edit
Light/Beacons	True	Edit
Others	True	Edit

Page 1 of 1

1

# UPGRADING OF MSI SYSTEM-PAKISTAN

**MSI** imran.khan@paknavy.gov.pk

MAIN NAVIGATION

- Dashboard
- All Active Warnings
- Warning Reports/LES

## Warning

Home > Warning

### Warning Form

**Geographical Location:**  
 NAVAREA IX  COASTAL  LOCAL  WPG

**Data Source:**  
Naval Departments

**Miscellaneous (Details):**  
[Empty text area]

**Port Authority:**  
[Empty dropdown menu]

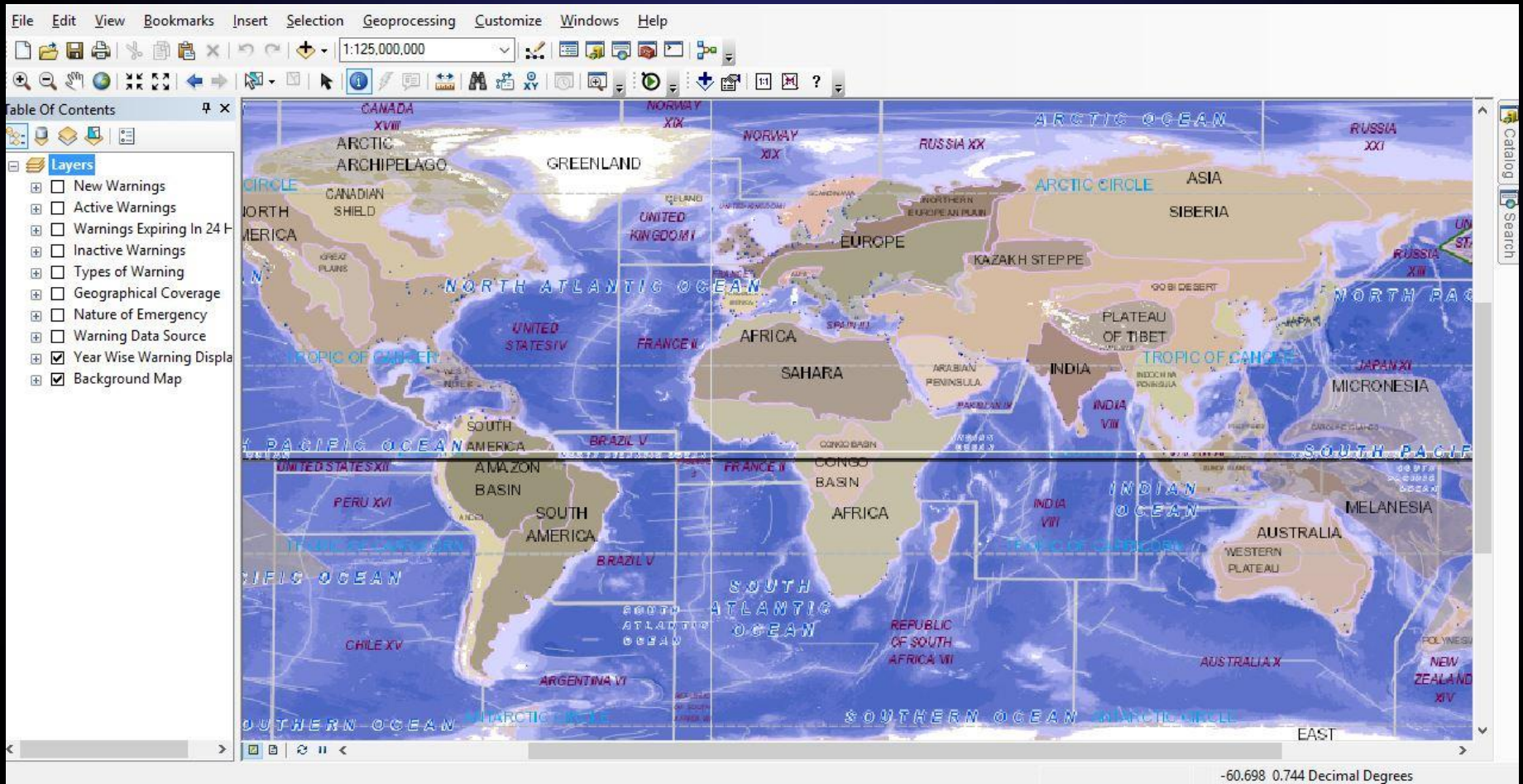
**Naval Department:**  
COMLOG

**Warning Type:**  
Survey

**Emergency Type:**  
Priority

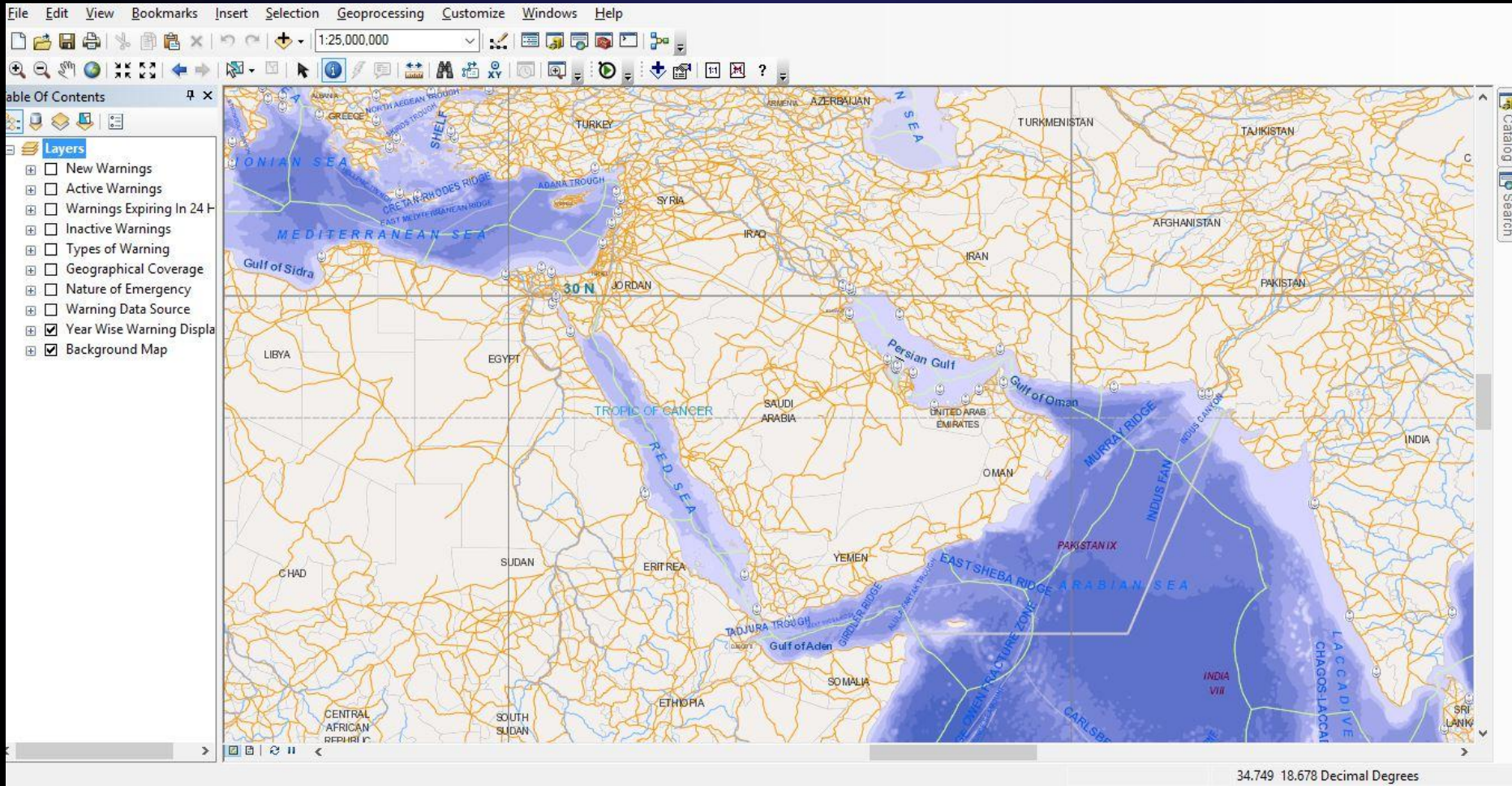
**Warning Message**  
Cabal Survey

# UPGRADING OF MSI SYSTEM-PAKISTAN



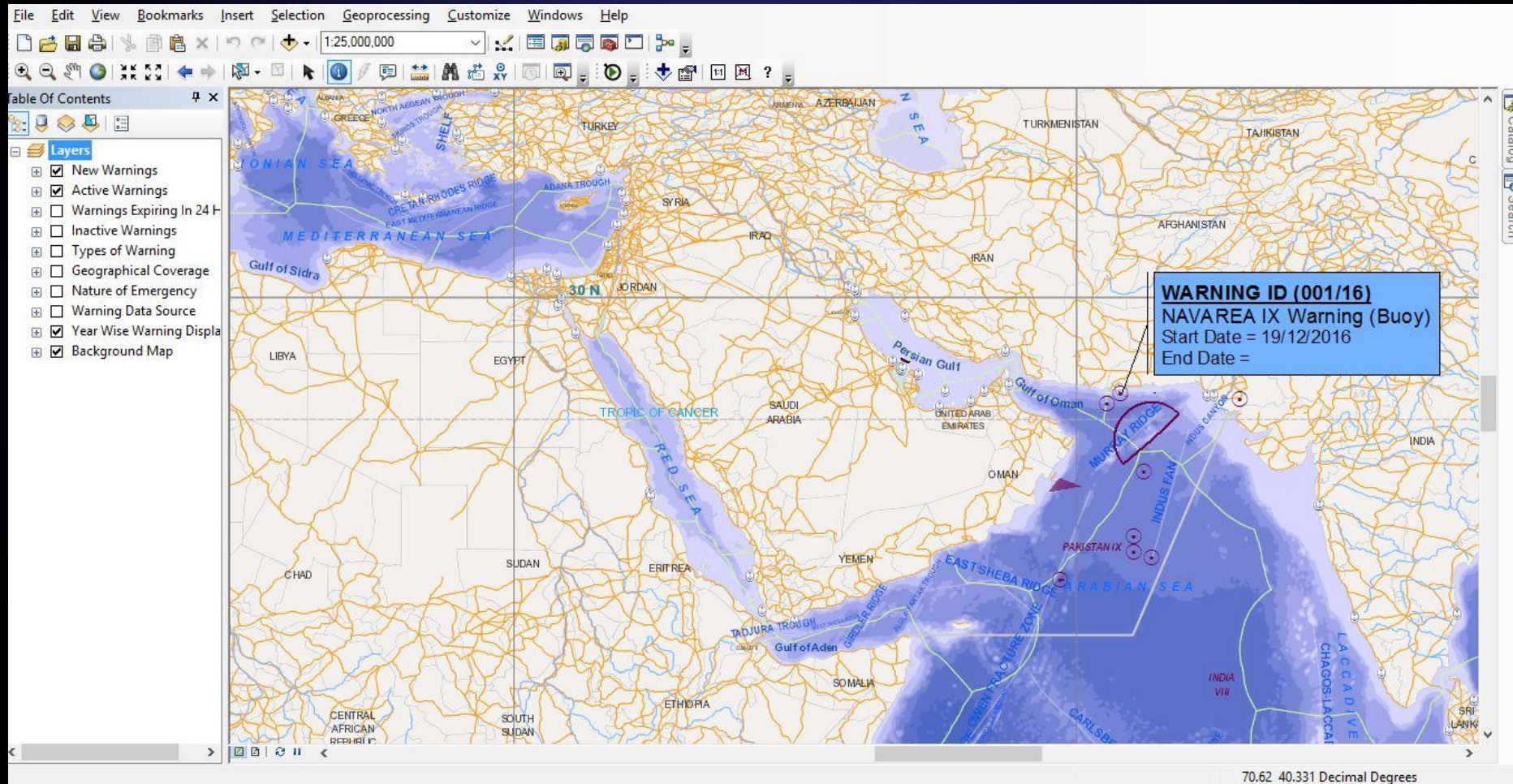


# UPGRADING OF MSI SYSTEM-PAKISTAN





# UPGRADING OF MSI SYSTEM-PAKISTAN



# UPGRADING OF MSI SYSTEM-PAKISTAN

The screenshot displays a GIS application interface with a map of the Arabian Sea region. Three warning areas are highlighted in blue on the map, each with a callout box:

- WARNING ID (001/16)**  
NAVAREA IX Warning (Buoy)  
Start Date = 19/12/2016  
End Date =
- WARNING ID (002/17)**  
NAVAREA IX Warning (Others)  
Start Date = 02/01/2017  
End Date =
- WARNING ID (003/17)**  
NAVAREA IX Warning (Survey)  
Start Date = 02/01/2017  
End Date =

The 'Identify' window is open, showing the following details for the selected feature:

Identify from: <Top-most layer>

Multipoint Data  
003/17

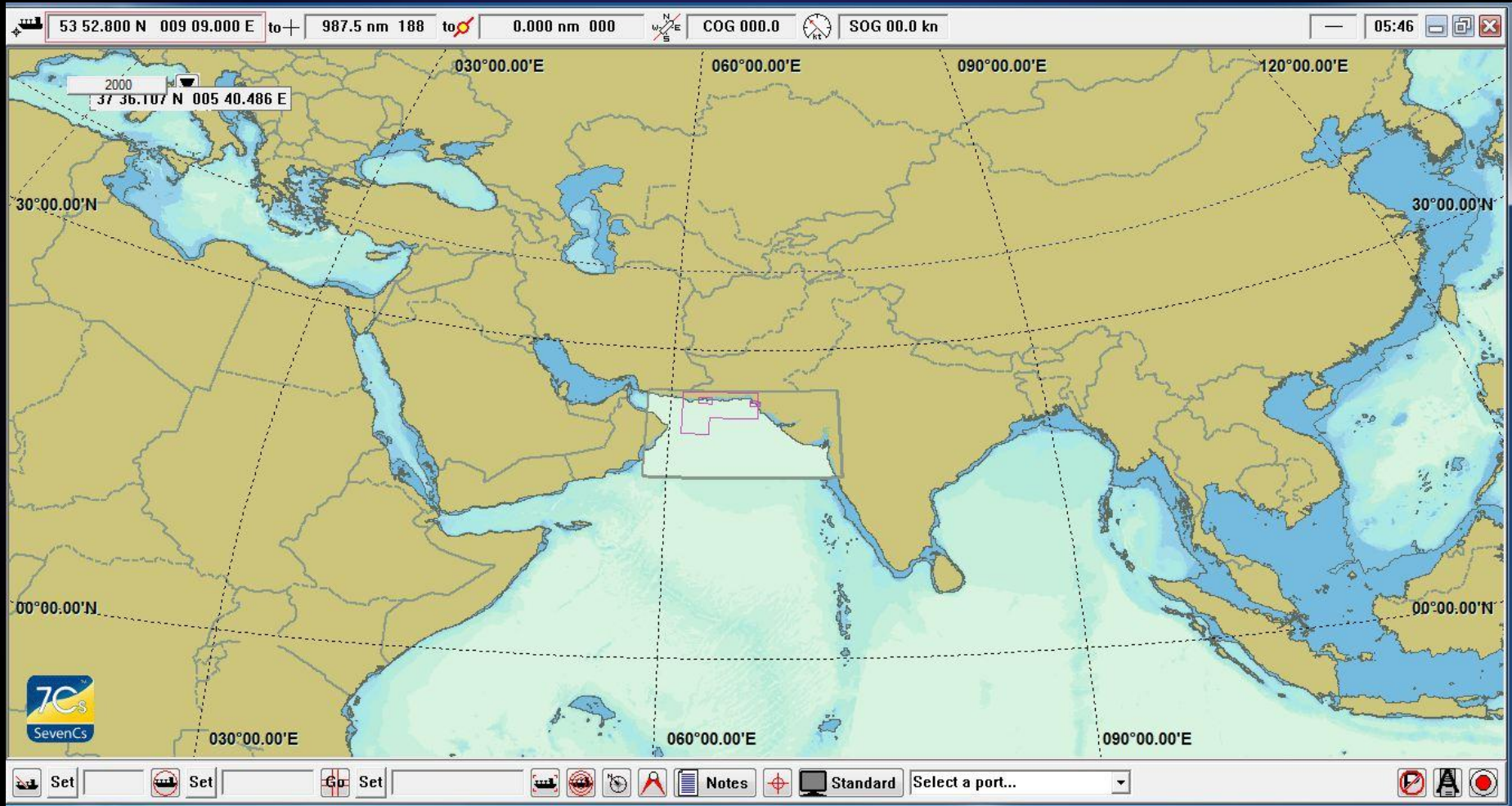
Location: 62.494815 16.685573 Decimal Degrees

Field	Value
Warning ID	003/17
Geographical Location	NAVAREA IX
Type of Warning	Survey
Nature of Emergency	Priority
Warning Message	Cabal Survey
Source of Warning	Naval Departments
Port Authority Name	<null>
Naval Department Description	COMLOG
Miscellaneous Description	<null>
StartDate	02/01/2017
EndDate	<null>
ID	1017

Identified 1 feature

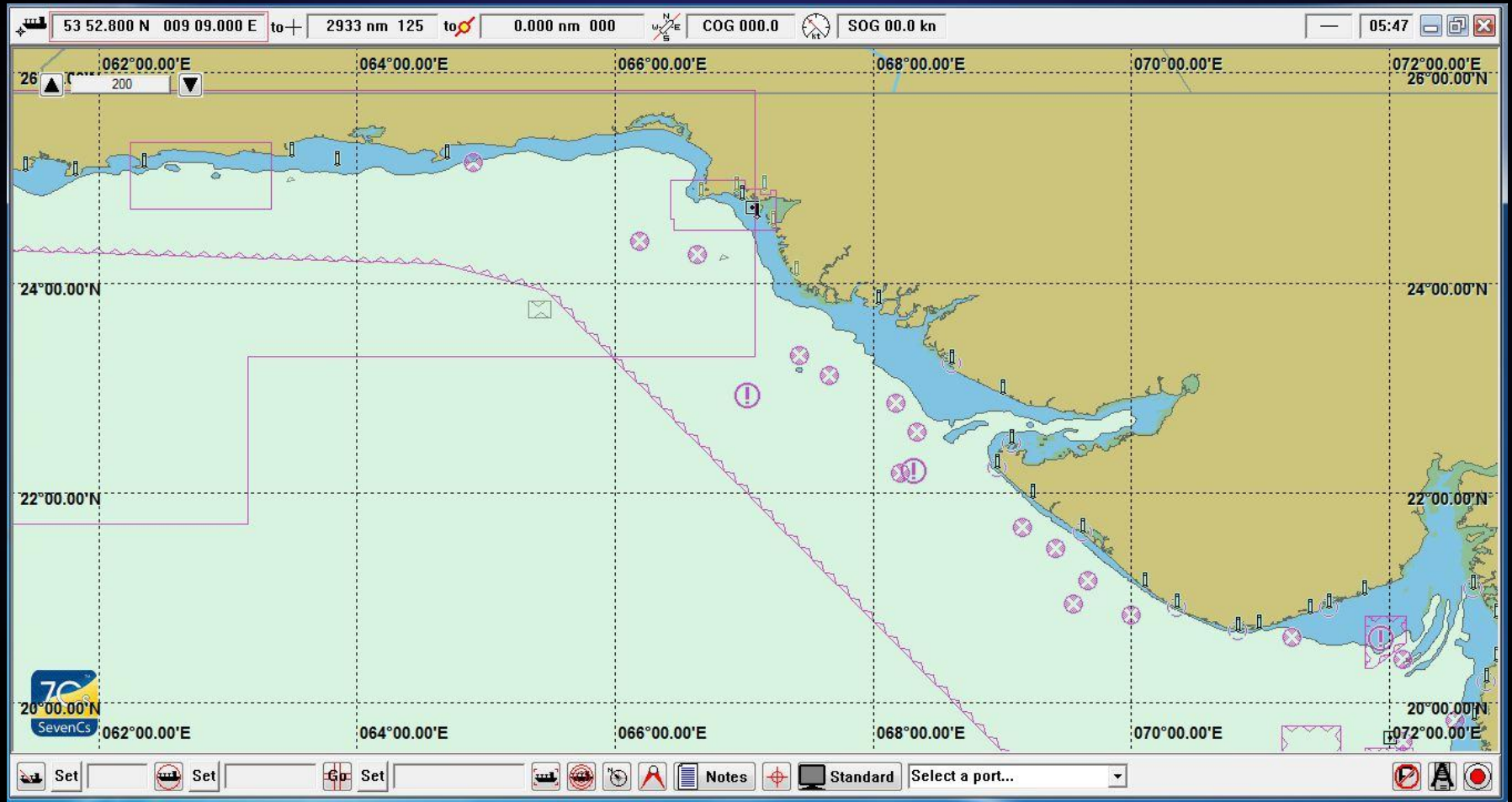


# UPGRADING OF MSI SYSTEM-PAKISTAN

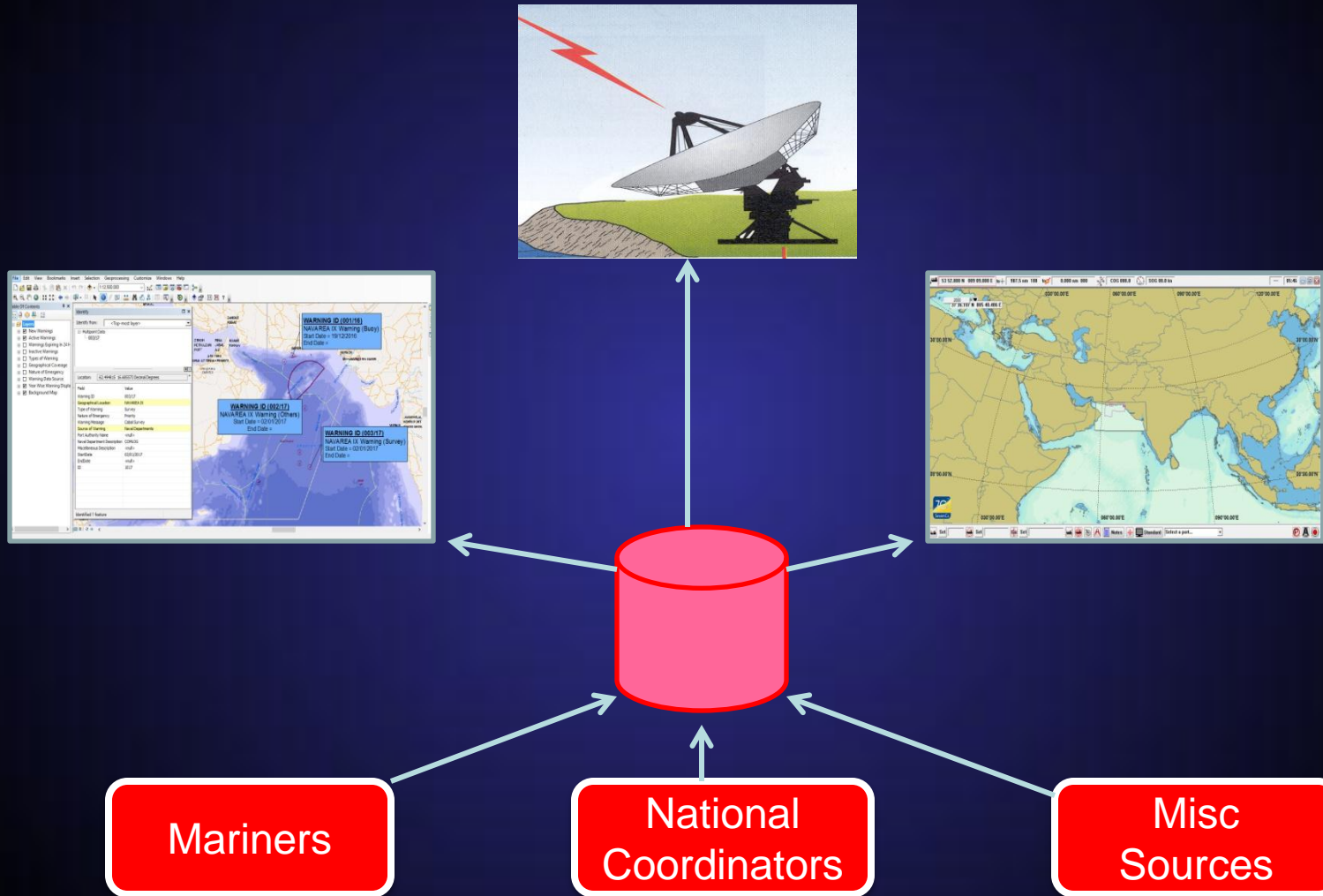




# UPGRADING OF MSI SYSTEM-PAKISTAN



# UPGRADING OF MSI SYSTEM-PAKISTAN



**THANK YOU**