

MSI Assessment –NAVAREA IX

Submitted by: Pakistan

SUMMARY

Executive Summary: Outline / overview of activities undertaken by NAVAREA IX since 10th meeting of CPRNW

Action to be taken: Para 15

Related documents: Nil

1. **Background.** The Hydrographer of Pakistan Navy is the NAVAREA IX Coordinator. The PN Hydrographic Department (PNHD) at Naval Headquarters, 11 Liaquat Barracks Karachi 75530 Pakistan is the nodal point for the SafetyNET services. The department is responsible for the transmission of MSI for the 16 countries of NAVAREA IX and promulgation of the Notices to the Mariners (NTMs). The NAVAREA warnings are compiled at the PNHD and up-linked to the INMARSAT for onward transmission through the INMARSAT 'C' satellites through LES Burum. The routine messages are forwarded on LES Burum at 0300-0400 and 1000-1100 UTC daily. Burum LES is accessed through Internet. In case of any urgent message, it is transmitted on priority basis on special services to inform the mariners immediately. The reception of all the NAVAREA warnings promulgated through SafetyNET and coastal warnings through NAVTEX are monitored at PNHD by placing respective terminals at communication center.

2. **Distress Alert.** Pakistan is the member of Global Search and Rescue Organization and performs the 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 and response functions. NAVAREA IX promulgate Distress Warnings in collaboration with MSA through Karachi Radio (NAVTEX) / LES Burum. MRCC Pakistan is looking after an area of 840 NM. Details/ chartlet depicting area of responsibility of MRCC Pakistan is attached as Annex 'B'.

3. **Coastal Warnings.** Coastal warnings are transmitted on 518 kHz from Karachi Radio. These are mainly local in nature and for Pakistan coastal waters; all the messages which require greater coverage are up-linked by INMARSAT 'C'. The transmission detail of the station is available in the ALRS (NP-285) Vol-V.

4. **Notices to Mariners.** The Notices to the Mariners (NTMs) are being published by the PNHD every week. The information is received from various port authorities, National coordinators of the NAVAREA IX countries and also from merchant vessels transiting / operating in the Navarea. The Notices to Mariners not only update the data for the paper charts but also the ENCs. The summary / details of all enforce NAVAREA-IX warnings are also included in part-II of Pakistan Notices to Mariners, which can be obtained gratis from Mercantile Marine Department Karachi, Pakistan as well as available on PNHD / NAVAREA IX website: *www.paknavy.gov.pk/hydro*

5. a. Current limits of NAVAREA IX are appended below. The chart-let of the same is at Annex 'A'.

23° 48' N. 068° 05' E (Mouth of Sir Creek)

12° 00' N. 063° 00' E (North Arabian Sea)

12° 00' N. 050° 45' E (Somalia north coast)

- b. Navigational Warnings: 0300-0400 and 1000-1100 UTC (IOR)
- c. Meteorological information: 0830, 0900, 1700 (IOR)

Warnings only (IOR)
- d. SafetyNET Satellite broadcast service provider: BURUM

6. **Comments.** NAVAREA IX is effectively using WWNWS. Coastal Warnings in most of the countries in the area are promulgated on NAVTEX, and NAVAREA Warnings are broadcasted on SafetyNET as per above mentioned details. The following table shows the number of SafetyNET warnings / messages that were promulgated:

	2006	2007	2008	2009 (13 Aug 09)
NAVAREA IX	236	280	248	142

7. **NAVTEX Coverage.** The enclosed diagram shows NAVTEX Service Areas for the NAVTEX Services in NAVAREA IX:

8. **Operational Issues.** Nil

9. **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
IX	NO	NO	NO	YES	YES	0300-0400 UTC 1000-1100 UTC	YES

10. **Capacity Building.** Nil

11. **Other Activities.** PNHD / NAVAREA IX have been at the forefront in taking active part in all the activities of the IHO. At the regional level, contribution of PNHD is as follows:

- a. Hydrographer Pakistan Navy has conducted / chaired the RSAHC meeting from 5-9 Jun 2009.
- b. Pakistan is an associate member of NIOHC.
- c. PNHD has successfully conducted and led the survey team for Seychelles survey during Jan / Feb 2009 as decided during 7th meeting of NIOHC. The other countries that have participated in the Seychelles survey were Saudi Arabia and Bangladesh, whereas survey equipment were provided by FST USA.

12. **NAVAREA Website.** www.paknavy.gov.pk/hydro

13. **NAVAREA Contact Information.**

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14. **Recommendations.** Nil

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

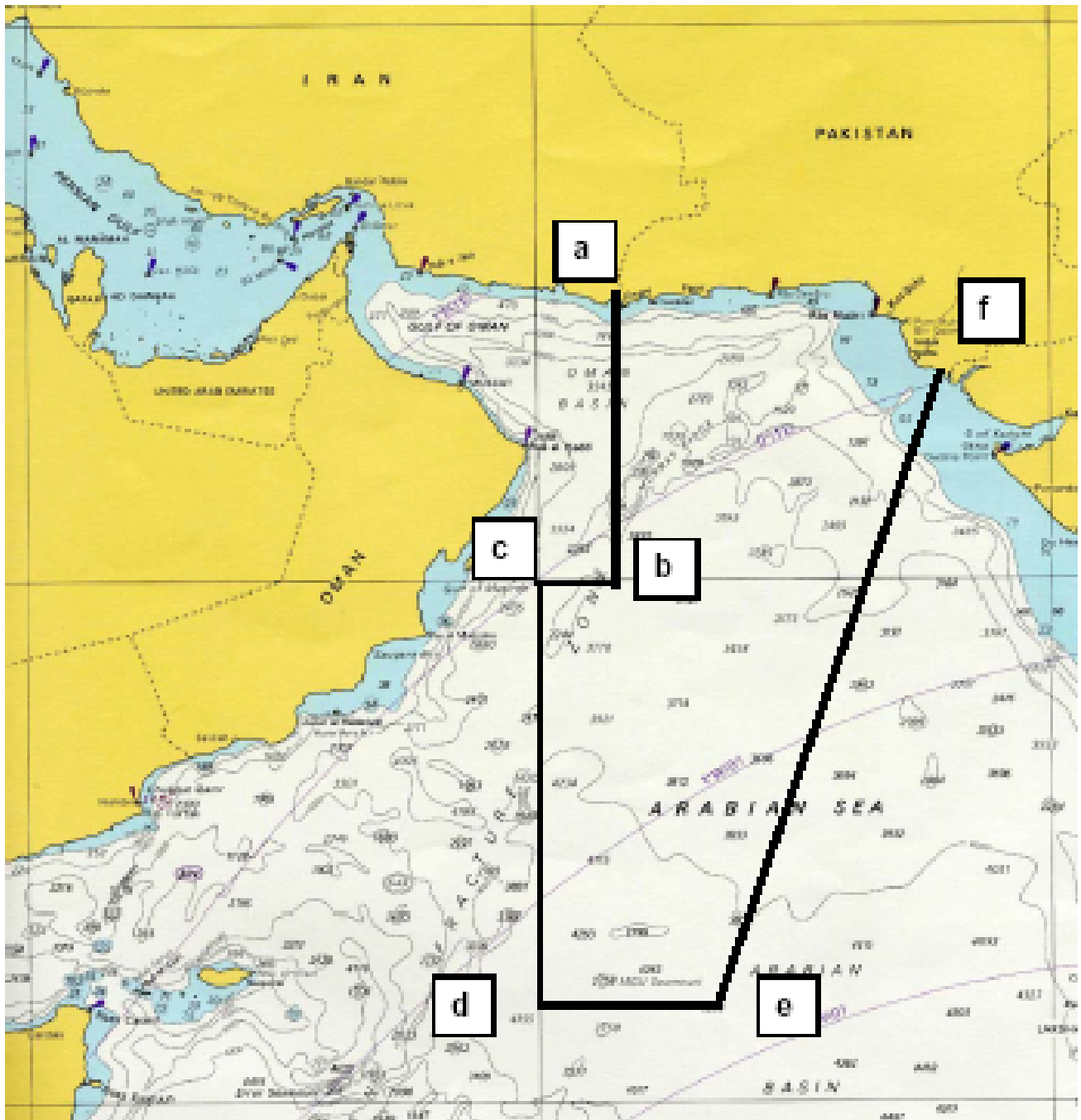
16. **Synopsis.** The NAVAREA IX Coordinator presented an outline / overview of his self-assessment paper and had no additional information to add to this report or any specific issues to note with regards to their service. He informed the meeting that they are currently transmitting messages for the 16 countries in the region. Navigational Warnings are promulgated via SafetyNET and NAVTEX with all enforced warnings being included in the Notice to Mariners which is published once per week. All the enforced warnings and NTMs are regularly posted and monitored on NAVAREA IX website as well. NAVAREA IX accesses their LES via internet and all SafetyNET broadcasts are monitored. Because of concerns about the reception of MSI from certain NAVTEX stations in the region, most Coastal Warnings are re-transmitted via SafetyNET as well depending on case to case basis.

NAVAREA IX - AREA OF RESPONSIBILITY



ANNEX 'B'

MRCC PAKISTAN – AREA OF RESPONSIBILITY



Coordinates of Area

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

NAVTEX – MSI BROADCASTS
North Arabian Sea, Red Sea and Persian Gulf (NAVAREA IX)
Operating on 518 kHz

