

MSI Self Assessment – NAVAREA IV and XII

Submitted by: United States

SUMMARY

Executive Summary: Synopsis of activities within NAVAREA IV and XII since WWNWS1

Action to be taken: Note report

Related documents: None

1. Background:

Limits of NAVAREA IV: From the east coast boundary of Suriname to 07-00N out to 035-00W, from there to 067-00N and the coastline of Greenland, following 067-00N to the coastline of Canada (Baffin Islands area).

Limits of NAVAREA XII: from the coast line at 03-24S to 120-00W, then to 00-00, then to 180-00, then to 50-00N, and then following the International Date Line to 67-00N.

Schedule of broadcasts for Navigational Warnings/Meteorological Information (see figure 1)

2. Comments:

GMDSS Master Plan updates – no change.

	2007	2008	2009
NAVAREA IV	395	515	556
NAVAREA XII	379	551	611

3. NAVTEX Coverage:

Eleven NAVTEX stations are operational in NAVAREA IV and XII. Please note that the United States also has an operational NAVTEX facility on Guam (NAVAREA XI) as can be seen from Figure 2.

NAVTEX coverage is reasonably continuous in the East, West and Gulf coasts of the United States, as well the area around Kodiak Alaska, Guam and Puerto Rico. The U.S. has no coverage in the Great Lakes, though coverage of much of the Great Lakes is provided by the Canadian Coast Guard. Since the U.S. Coast Guard originally only installed NAVTEX at sites where Morse telegraphy transmissions were made

previously, propagation analyses show some coverage gaps, particularly in the southeast United States, Alaska, and Guam. NAVTEX broadcasts from Adak were permanently terminated in December 1996 due to closure of the Naval facility there.

4. Operational Issues:

None

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
IV and XII	YES	YES	YES	YES	YES	YES	YES

6. Contingency Planning:

NAVAREA IV and XII have fully redundant along with site separated NAVAREA operational systems to include: satellite transceivers, telecommunications, internet and desktop PC's. Operations are tested on a daily basis at both locations to ensure full continuity of NAVAREA operations.

7. Capacity Building:

The IHO WNWNS SC continues to provide training and practical guidance for those who are concerned with drafting navigational warnings or with the issuance of Maritime Safety Information (MSI) for the high seas. To date, there have been 6 training sessions to benefit the countries within the area of influence of the MESO American and Caribbean Sea Hydrographic Commission (MACHC), the Southern Africa and Islands Hydrographic Commission (SAIHC), the Mediterranean and Black Seas Hydrographic Commission (MBSHC), the Eastern Atlantic Hydrographic Commission (EAtHC), the North Indian Ocean Hydrographic Commission (NIOHC), the ROPME Sea Area Hydrographic Commission and the Southern Africa and Islands Hydrographic Commission (SAIHC). The training effort intends to translate into safer navigation for the region and establish an active regional coordination team of experts who will continue to collaborate with the respective NAVAREA Coordinator in the area of influence. These courses are organized through the leadership and instructor support of NAVAREA's I, IV and XII with additional instructor support provided by the NAVAREA Coordinator(s) within the RHC. The next training course, with assistance from NAVAREA's X and XIV, will be held in Sydney, Australia in Aug 2010 to benefit countries in the area of influence of the South-West Pacific Hydrographic Commission (SWPHC).

8. Other Activities:

Conferences supported by the NAVAREA IV and XII Coordinator the past year:
 MESO-American/Caribbean Hydrographic Commission, Barbados - Nov 2009
 International Ice Patrol Conference, Groton, CT - Dec 2009
 IMO COMSAR Meeting, IHO Rep, London - Mar 2010

It was agreed at IMO COMSAR14 that messages concerning piracy and piracy counter-measures for input into the WNWNS shall be routed through the Chairman of the IHO WNWNS SC. The Chairman of the IHO WNWNS SC, who also is the NAVAREA IV and XII Coordinator, will review messages for format compliance in accordance with the Joint MSI Manual and then forward the approved text to the relevant NAVAREA or National Coordinator(s) for immediate broadcast. To date, over 125 messages have been coordinated through this process with excellent cooperation and results displayed by all. An MSC Circular was adopted at MSC87 in May 2010 formalizing these procedures.

9. NAVAREA Website:

www.nga.mil/maritime

In-Force NAVAREA IV and XII messages are posted each morning from the previous 24hrs. Active NAVAREA IV and XII messages can be queried by a variety of menu options to include by specific NAVAREA, by NAVAREA number, by a NAVAREA number range and by date and date range.

10. NAVAREA Contact Information:

U.S.A. (NAVAREA IV & XII)

Mr. Peter Doherty
Chief, Global Operations Maritime
ATTN: PVW (Mail Stop D-44)
4600 Sangamore Road
Bethesda, Maryland 20816-5003
Tel: +1 (301) 227 7646
Fax: +1 (301) 227 3731
E-mail: Peter.M.Doherty@nga.mil

11. Recommendations:

None

12. Actions requested:

Note the information provided

13. Synopsis:

The NAVAREA IV and XII Coordinator presented an overview of his self-assessment paper and noted that all broadcast messages that are promulgated during the previous 24 hours are posted to the NGA website. He stated that NAVAREA IV and XII have a business continuity plan and messages are promulgated from a secondary site on a routine basis, totally transparent to the shipboard user. He also noted his continued support for the Maritime Safety Information training course with 2 courses scheduled for this year, to include in Oman Oct 2009 for the North Indian Ocean Hydrographic Commission (NIOHC) and the ROPME Sea Area Hydrographic

Commission (RSAHC) region and in Namibia Apr 2010 for the Southern Africa and Islands Hydrographic Commission (SAIHC).

FIGURE 1**PROMULGATION OF MARITIME SAFETY INFORMATION BY U.S.
INFORMATION PROVIDERS****SCHEDULED BROADCAST TIMES**

WHAT	WHO	WHEN (UTC)	HOW	NAVAREA/ METAREA	SATELLITE
High seas warnings and forecasts	NWS	0430, 1030, 1630, 2230	SafetyNET	IV	AOR-W
High seas warnings and forecasts	NWS	0545, 1145, 1745, 2345	SafetyNET	XII	AOR-W/POR
High seas warnings and forecasts	NWS	0515, 1115, 1715, 2315	SafetyNET	XVI	AOR-W
Hurricane advisories West Atlantic	NWS	as required	SafetyNET	IV	AOR-W
Hurricane advisories East Pacific	NWS	as required	SafetyNET	XII	POR/AOR-W
Hurricane advisories Central Pacific	NWS	as required	SafetyNET	XII	POR
Long range navigational warnings	NGA	1000, 2200	SafetyNET	IV	AOR-W
Long range navigational warnings	NGA	1030, 2230	SafetyNET	XII	POR/AOR-W
Long range search and rescue	USCG	upon receipt	SafetyNET	IV/XII	AOR-W/POR
Coastal MSI	USCG	4 to 6 times daily for routine traffic; upon receipt for distress	NAVTEX	Generally, within 200 miles of the coastline	None; see Pub 117 for stations and times
Status of ice in North Atlantic Ocean	USCG	1200	SafetyNET	IV	AOR-E/W

NAVAREA IV & XII NAVTEX COVERAGE

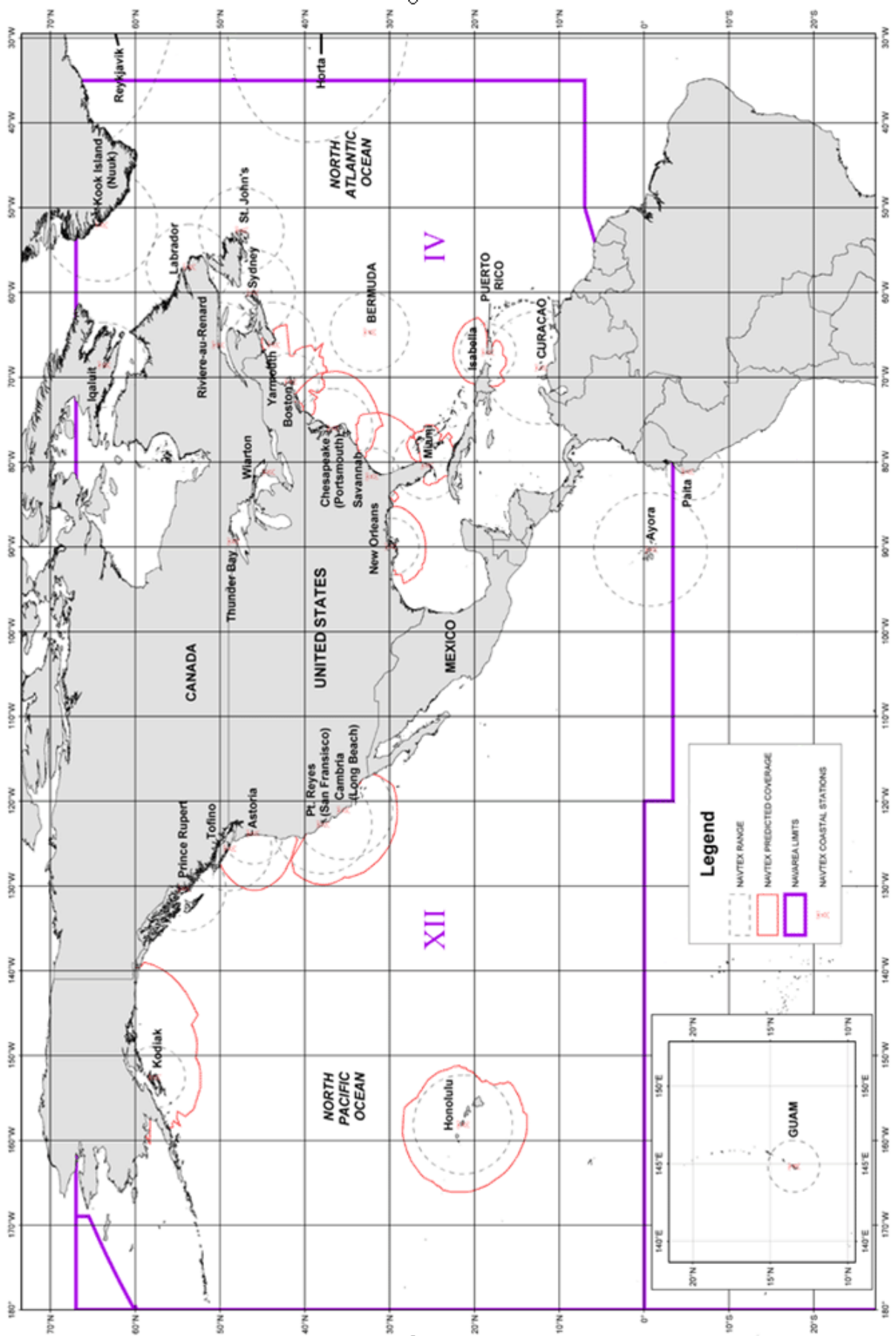


FIGURE 2