

MSI Self Assessment – NAVAREA IV and XII

Submitted by: United States

SUMMARY

Executive Summary: Synopsis of activities within NAVAREA IV and XII since CPRNW 9

Action to be taken: Paragraph 10

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:

	2005	2006	2007
NAVAREA IV	411	346	395
NAVAREA XII	351	358	379

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:

NAVAREA IV and XII have fully redundant and site separated NAVAREA operational systems to include satellite transceivers, telecommunications, internet and desktop PC's. System operations are exercised on a daily basis at this location to ensure full continuity of NAVAREA operations.

5. Capacity Building:

NAVAREA IV and NAVAREA I lead two Maritime Safety Information (MSI) Training Course in Maputo, Mozambique in Nov 07 to benefit countries in the area of influence of the Southern Africa and Islands Hydrographic Commission (SAIHC) region and in Cadiz Spain in Mar 08 along with NAVAREA III to benefit countries in the area of influence of the Mediterranean and Black Seas Hydrographic Commission (MBSHC) region. These courses were organized on the behalf of the International Hydrographic Organizations (IHO) Capacity Building Committee (CBC) and the IHO's World-Wide Navigational Warning Service (WWNWS) Commission for the Promulgation of Radio Navigational Warnings (CPRNW. The course intends to provide practical guidance for those who are concerned with drafting radio navigational warnings or with the issuance of MSI for the high seas. Additionally, the training effort should 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 in the area of influence. The next Course will be in Nov 08 in India in the area of influence of the North Indian Ocean Hydrographic Commission (NIOHC).

6. Other Activities:

IMO COMSAR Meeting, IHO Rep, London, Apr 2008
IHO CPRNW Guidance Document Review Team, London, Apr 2008
Canadian/US NAVAREA Ops and MSI Tech Exchange Meetings – Jan 07
Meso-American Caribbean Hydrographic Commission Meeting (MACHC), Brazil, Oct 2008

7. 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.

8. NAVAREA Contact Information:

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

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9. Recommendations:

None

10. Actions requested:

Note the information provided

11. 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 a website each day. He stated that NAVAREA IV and XII does have a true business continuity plan as there is a secondary site that is manned and from which messages are promulgated on a routine basis totally transparent to the shipboard user. He also highlighted the utilization of Google Earth technology for a visual presentation of message content that is used for a validation and quality assurance practice and internal watchstander use only today. He then further noted that hopefully it will in the future become a more dynamic web interface for external users. He then reported on capacity building efforts underway at the IHO and that the USA has fully supported during the past year.

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

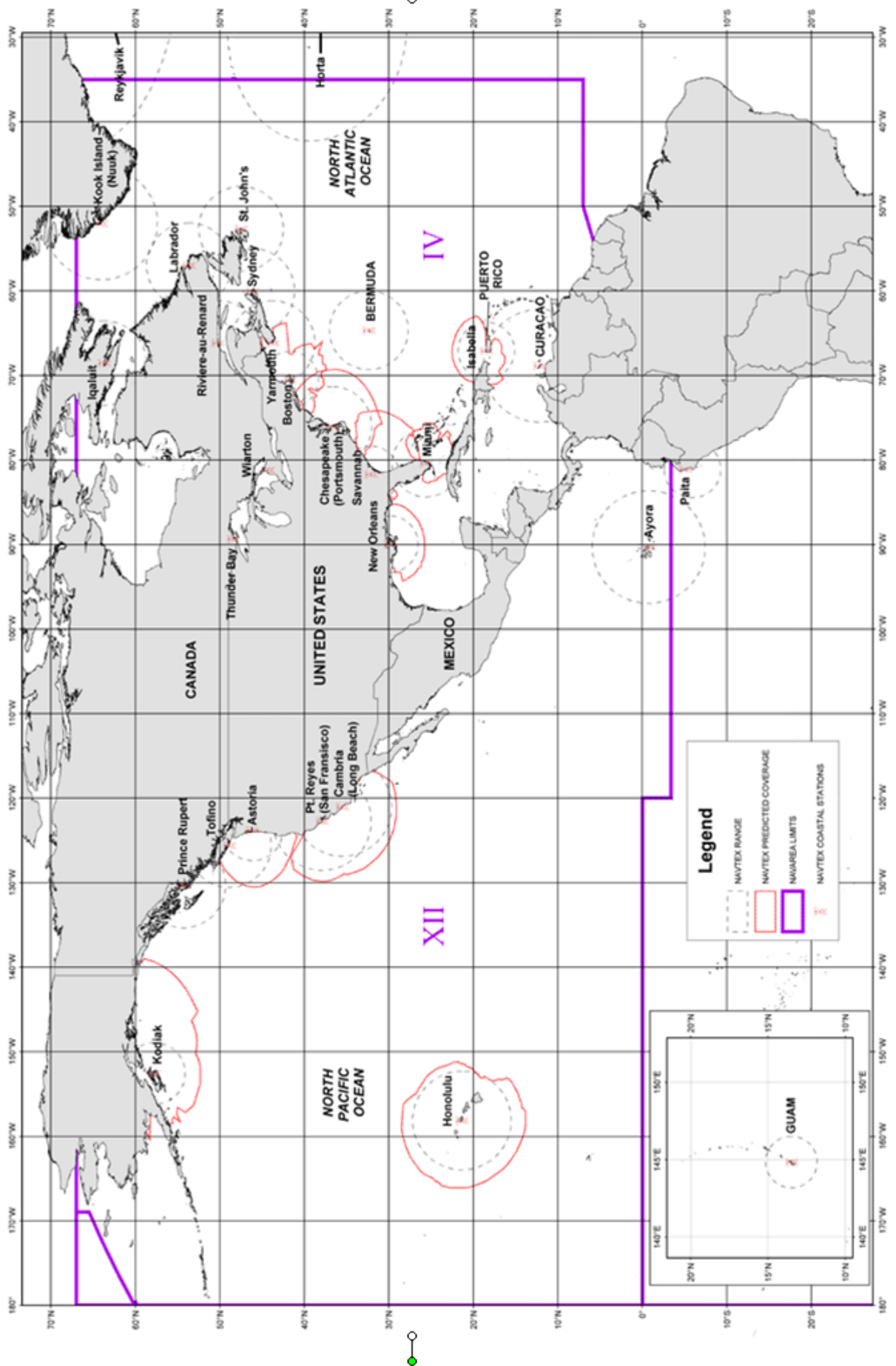


Figure 2