

**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: 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:

	<b>2006</b>	<b>2007</b>	<b>2008</b>
NAVAREA IV	346	395	515
NAVAREA XII	358	379	551

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. 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. Capacity Building:

The IHO WWNWS SC continues to provide training and practical guidance for those who are concerned with drafting radio navigational warnings or with the issuance of Maritime Safety Information (MSI) for the high seas. To date, there have been 3 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), and the Mediterranean and Black Seas Hydrographic Commission (MBSHC). 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 in the area of influence. These courses are organized on the behalf of the IHO's Capacity Building Sub-Committee along with leadership oversight and instructor support from NAVAREA's I, IV and XII. The next training course, with assistance from NAVAREA II, will be held in Accra, Ghana in Sep 2009 to benefit countries in the area of influence of the Eastern Atlantic Hydrographic Commission (EAHC) region. Following that, with assistance from NAVAREA VIII and IX, there will be a course in Oman in Oct 09, to benefit countries in the area of influence of North Indian Ocean Hydrographic Commission (NIOHC) and the ROPME Sea Area Hydrographic Commission (RSAHC).

7. Other Activities:

Conferences supported by the NAVAREA IV and XII Coordinator over the past year include:

International Ice Patrol Conference, Groton, CT - Dec 2008

IMO COMSAR Meeting, IHO Rep, London - Jan 2009

IHO CPRNW Guidance Document Review Team, London - Jan 2009

Canadian Hydro Conference - May 09

Extraordinary International Hydrographic Conference, Monaco - Jun 2009

IHO Inter-Regional Coordination Committee Annual Meeting, Monaco - Jun 2009

8. NAVAREA Website:

[www.nga.mil/maritime](http://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.

9. NAVAREA Contact Information:

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

Mr. Peter Doherty  
Chief, Global Operations  
Office Of Global Navigation  
ATTN: PV (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](mailto:Peter.M.Doherty@nga.mil)

10. Recommendations:

None

11. Actions requested:

Note the information provided

12. 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 Sep 09 for the Eastern Atlantic Hydrographic Commission (EAHC) region and in Oct 09 for the North Indian Ocean Hydrographic Commission (NIOHC) and the ROPME Sea Area Hydrographic Commission (RSAHC) region.

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

<b>WHAT</b>	<b>WHO</b>	<b>WHEN (UTC)</b>	<b>HOW</b>	<b>NAVAREA/ METAREA</b>	<b>SATELLITE</b>
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

FIGURE 2

NAVAREA IV & XII NAVTEX COVERAGE

