

**MSI Self Assessment – NAVAREA IV and XII**

Submitted by: United States

**SUMMARY**

Executive Summary: Synopsis of activities within NAVAREA IV and XII since WWNWS3

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)

Operational Points of Contact for National Co-ordinators within the NAVAREA

COUNTRY	NAME	TELEPHONE	FACSIMILE	EMAIL
United States	Coast Guard District 1	617 223 8555	617 223 8117	d01-smb-d1cmdcenter@uscg.mil
United States	Coast Guard District 5	757 398 6231	757 398 6392	d05-smb-d5cg@uscg.mil
United States	Coast Guard District 7	305 415 6800	305 415 6809	d07-smb-cmdcenter@uscg.mil
United States	Coast Guard District 8	504 589 6225	504 589 2148	d08-comandcenter@uscg.mil
United States	Coast Guard District 11	510 437 3701	510 437 3017	rccalameda@uscg.mil
United States	Coast Guard District 13	206 220 7001	206 220 7009	D13cc@uscg.mil
United States	Coast Guard District 14	808 535 3333	808 535 3338	jrchonolulu@uscg.mil
United States	Coast Guard District 17	907 463 2000	907 463 2023	jrccjuneau@uscg.mil
United States	International Ice Patrol	877-423-7287	860-271-2773	iipcomms@uscg.mil

Mexico		52 55 56246500	52 5556246500	depto.ayudas.nav@gmail.com
Honduras	Javier Diaz	5 042 665 6661		javierd_ha@yahoo.com
Canada	MCTS Iqaluit	867-979-5269	867-979-4264	
Canada	JRCC Halifax	902-427-8200	902-427-2114	
Canada	MCTS Prescott	613-925-4471	613-925-4519	
Colombia	Alex Ferrero	6694104 / 6695291 ext.5108		AFerrero@dimar.mil.co
Martinique	MRCC Fort de France	59 659 670 9292	59-659- 6735730	Fortdefrance.mrcc@developpement-durable.gouv.fr
West Indies				Solmsd2@yahoo.com
Puerto Rico	Coast Guard San Juan	7872892041	787-729-6706	SSJCC@USCG.MIL
Greenland	Assiaat Radio	+299-130-000	+299-892-777	oyr@telepost.gl
Greenland	Island Commander	+299-691-911		grnavtex@greennet.gl or glk-vhku@mil.dk
French Guiana	Avurnav Cayenne	594(0)-594- 394-500		Nauticinfo.guyane@dirisi-cayenne.fr
French Guiana	Marine Guyane	594(0)-594- 395-669	594(0)-594- 395-720	Marine.guyane@fag.dirisi-cayenne.fr

2. Comments:

GMDSS Master Plan updates – no change.

	2009	2010	2011
NAVAREA IV	556	524	437
NAVAREA XII	611	495	461

3. NAVTEX Coverage:

Eleven NAVTEX stations are operational in NAVAREA IV and XII.

Please note NAVTEX Station Savannah has been very recently relocated to Charleston, SC and 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 8 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, the Southern Africa and Islands Hydrographic Commission (SAIHC), the South West Pacific Hydrographic Commission (SWPHC), the South West Atlantic Hydrographic Commission (SWAHC) and the South East Pacific Hydrographic Commission (SEPHC). 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.

8. Other Activities:

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

2nd Arctic Regional Hydrographic Commission, Copenhagen, Oct 2011

IMO COMSAR Meeting, IHO Rep, London - Mar 2012

IHO WNWNS Guidance Document Review Meeting, London - Mar 2012

17<sup>th</sup> International Hydrographic Conference, Monaco, Apr 2012

35<sup>th</sup> Meeting of the United States Canadian Hydrographic Commission, Ontario, May 2012

North American Ice Service 10<sup>th</sup> Annual Meeting, Newport Rhode Island – Jun 2012

On Feb 1, 2012, NAVAREA IV completed three months of collaboration with the International Ice Patrol (IIP) and United States Coast Guard to transition its North American Ice Service Iceberg Bulletin to a NAVAREA IV (SafetyNet) warning. This accomplished two goals. First, the Bulletin is now broadcast at 2200Z daily in accordance with the GDMSS Master Plan for NAVAREA IV. Second, the joint effort between the IIP and NAVAREA IV Coordinator produced a more efficient process, allowing notification of icebergs outside the limits of know ice in a more timely manner.

In addition, the NAVAREA IV/XII Coordinator collaborated with the U.S. Coast Guard and the Chairman of the IMO NAVTEX Co-ordination Panel to reassign broadcast times for NAVTEX stations within NAVAREA IV and XII. On August 14, 2012, implementation completed and B1 transmitter start times now agree with IMO MSC.1/Circ 1403, as amended.

9. 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.

10. NAVAREA Contact Information:

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

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Deputy Director, Maritime Safety Office  
ATTN: N65-SH  
7500 GEOINT Drive  
Springfield, Virginia 22150-7500  
Tel: +1 (571) 557 6746  
Fax: +1 (571) 558 3261  
E-mail: [Peter.M.Doherty@nga.mil](mailto: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 noted collaboration with the International Ice Patrol (IIP) and NAVAREA IV's new responsibility to broadcast the IIP Iceberg Bulletin. Lastly, he described his work with the U.S. Coast Guard to bring their NAVTEX station broadcast start times into alignment with international standards.

**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	2200	SafetyNET	IV	AOR-E/W

# NAVAREA IV & XII NAVTEX COVERAGE

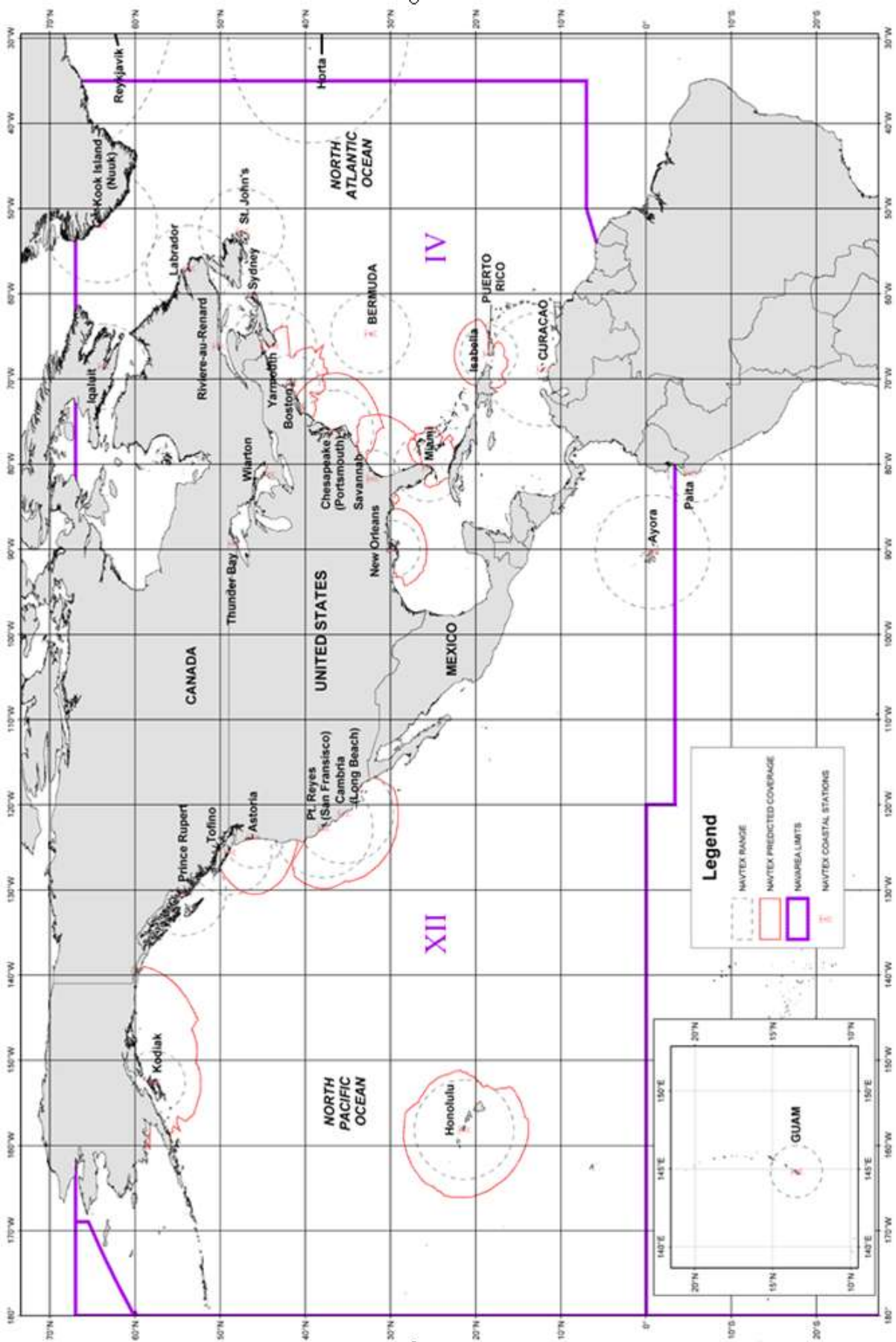


FIGURE 2