

---

**MSI Self Assessment - NAVAREA IV and XII  
Submitted by: United States**

1. **Action Required:** None, submitted for information only

2. **Background:**

The area of coverage for the United States is NAVAREA/METAREA IV and XII for SafetyNET and for NAVTEX, approximately 200 nautical miles from each NAVTEX station, see figure 2. Additionally, the National Weather Service is providing further coverage for NAVAREA/METAREA XVI (Peru) for weather forecasts and warnings.

See figure 1 for SafetyNET Satellite broadcast used, the GMDSS service provider and the schedule broadcast per day.

3. **Comments:** (specifics of MSI within NAVAREA, include how many SafetyNET messages were promulgated over 3yr period, if available)

	<b>2004</b>	<b>2005</b>	<b>2006</b>
NAVAREA IV	416	411	346
NAVAREA XII	350	351	358

4. **NAVTEX Coverage:**

A. As can be seen from Figure 2, all eleven NAVTEX stations are operational. Please note that the United States also has an operational NAVTEX facility on Guam (NAVAREA XI).

B. 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 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.

C. Changes to the US NAVTEX Broadcast Schedule

D. Effective October 1, 2006, the U.S. Coast Guard, in coordination with the National Weather Service (NWS), will begin broadcasting weather via NAVTEX four times per day, rather than six. Repeats of Notices to Mariners will be broadcast twice a day in time slots where the weather is excluded. See new broadcast schedule below.

**PACIFIC OCEAN, ALASKA, HAWAII, AND GUAM NAVTEX BROADCAST SCHEDULE**

STATION	IDENTIFIER	WX BROADCAST SCHEDULE (UTC)
Adak	X	BROADCAST TERMINATED
Kodiak <sup>(1)</sup>	J	0300, 0700, 1100 <sup>2</sup> , 1500, 1900, 2300 <sup>2</sup>
	X	0340, 0740, 1140 <sup>2</sup> , 1540, 1940, 2340 <sup>2</sup>
Astoria	W	0130, 0530, 0930 <sup>2</sup> , 1330, 1730, 2130 <sup>2</sup>
San Francisco	C	0000, 0400 <sup>2</sup> , 0800, 1200, 1600 <sup>2</sup> , 2000
Cambria	Q	0045, 0445 <sup>2</sup> , 0845, 1245, 1645 <sup>2</sup> , 2045
Marianas	V	0100, 0500, 0900, 1300, 1700, 2100
Honolulu	O	0040, 0440, 0840 <sup>2</sup> , 1240, 1640, 2040 <sup>2</sup>

**ATLANTIC OCEAN, GULF OF MEXICO, AND PUERTO RICO NAVTEX BROADCAST SCHEDULE**

STATION	IDENTIFIER	WX BROADCAST SCHEDULE (UTC)
Boston	F	0045, 0445, 0845 <sup>2</sup> , 1245, 1645, 2045 <sup>2</sup>
Portsmouth	N	0130, 0530, 0930 <sup>2</sup> , 1330, 1730, 2130 <sup>2</sup>
Savannah	E	0040, 0440, 0840 <sup>2</sup> , 1240, 1640, 2040 <sup>2</sup>
Miami	A	0000, 0400, 0800 <sup>2</sup> , 1200, 1600, 2000 <sup>2</sup>
San Juan	R	0200 <sup>2</sup> , 0600, 1000, 1400 <sup>2</sup> , 1800, 2200
New Orleans	G	0300 <sup>2</sup> , 0700, 1100, 1500 <sup>2</sup> , 1900, 2300

- (1) Kodiak also broadcasts weather forecasts during time slots initially allocated to Adak.  
 (2) Routine weather forecasts are broadcast four times per day with these being the normal times when repeats of Notices to Mariners are broadcast in lieu of weather. Weather warnings may be broadcast at any time.

5. **Operational Issues:**

None

6. **Website/NAVAREA Contact Info:**

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

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

#### **7. Capacity Building:**

On 18-21 June, NAVAREA IV and NAVAREA I lead a Maritime Safety Information (MSI) Training Course at the Caribbean Maritime Institute (CMI) in Kingston, Jamaica to benefit countries in the area of influence of the Meso American and Caribbean Hydrographic region. This course was 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). Less than 30% of the Meso American and Caribbean Hydrographic region is covered by availability of MSI and this compromises mariners being assured of receiving information of vital concern, in a form which they understand, at the earliest possible time. The course intended 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 NAVAREA IV after the end of the session. Course content included introductions to the Global Maritime Distress and Safety System, Maritime Safety Information, the World-Wide Navigational Warning Service including it's guidance documents, SafetyNET and NAVTEX service equipment demonstrations, National Coordinator requirements, roles, and responsibilities and practical exercises using communication and charting tools. Representatives from Jamaica, Panama, Guatemala, Colombia, Trinidad and Tobago, Cayman Islands, Barbados, Anguila, St. Vincent, Grenadines, British Virgin Islands, Turks & Caicos, Montserrat and Antigua & Barbuda attended. CAPT William Fergusson of the Barbados Port Authority was a guest speaker and as a Master Mariner, provided his perspective on navigation, charting and the lack of MSI within the region. The next Course will be in Nov 07 in Maputo, Mozambique.

#### **8. Other Activities:**

IMO COMSAR Meeting, IHO Rep, London, Feb 2007  
IHO Ad Hoc CPRNW Guidance Document Review Team, London, Mar 2007  
Canadian/US NAVAREA Ops and MSI Tech Exchange Meetings – Jan and Apr 07  
IHO International Hydrographic Conference, May 2007  
MesoAmerican Caribbean Hydrographic Commission Meeting (MACHC), Brazil, Oct 2007

**9. NAVAREA Coordinator Contact Info:**

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

Mr. Peter Doherty

Strategic 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:**

To be noted by the Commission.

**11. Actions required:**

None

**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

# NAVAREA IV & XII NAVTEX COVERAGE

