

MSI Self Assessment NAVAREA IV and XII

Submitted by United States / NGA

SUMMARY

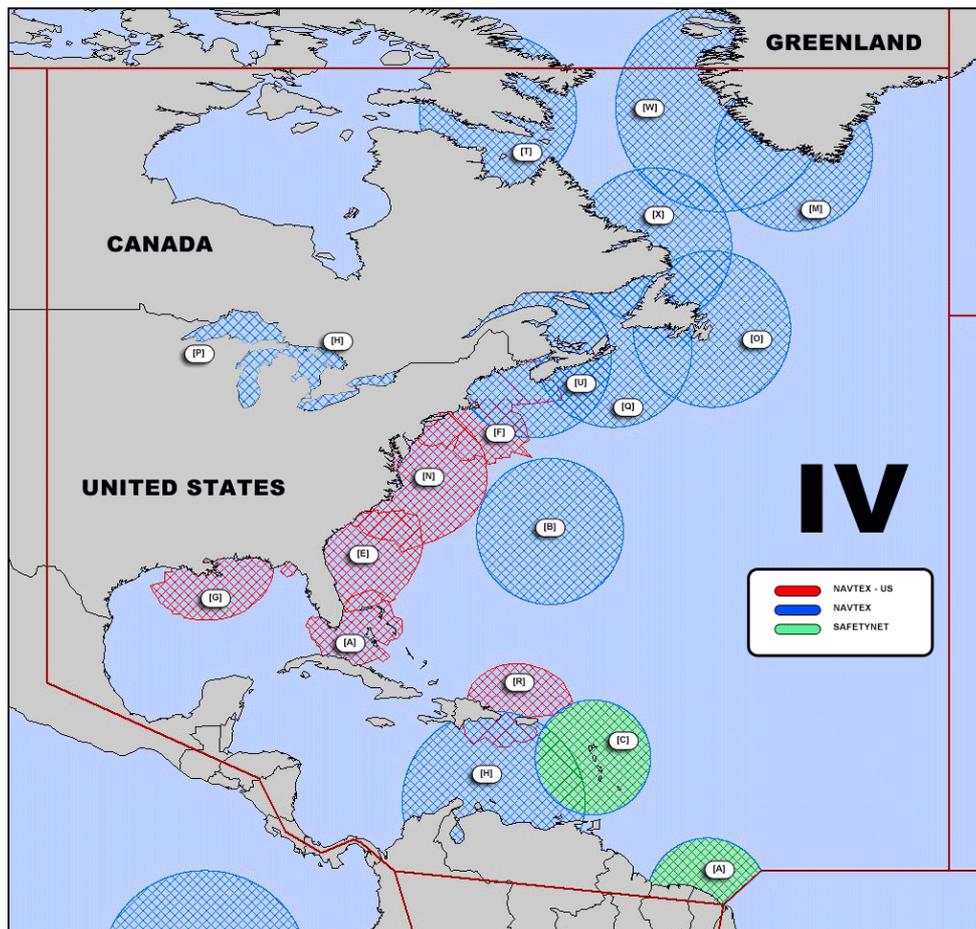
Executive Summary: Synopsis of activities within NAVAREA IV and XII since WVNWS7

Action to be taken: Note report

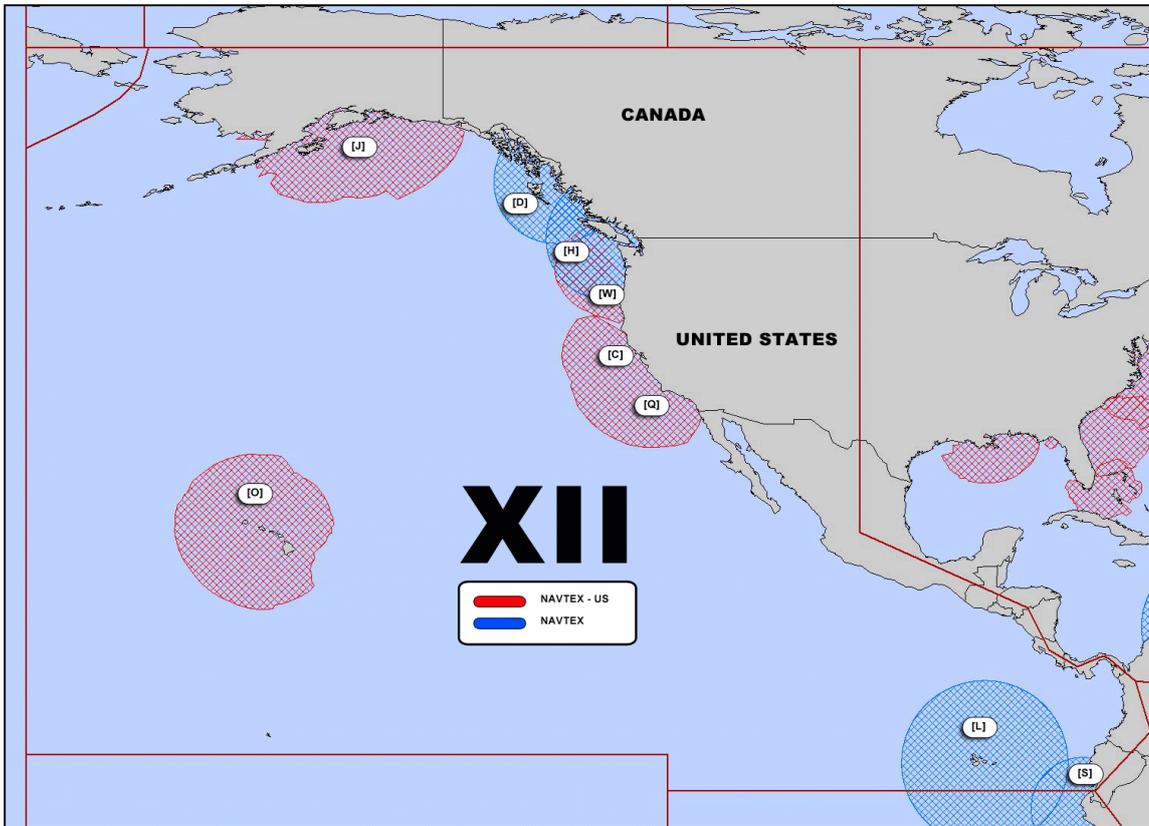
Related documents: None

1. Background:

Limits of NAVAREA IV: From the east coast boundary of French Guiana 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.



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

COUNTRY	NAME	TELEPHONE	FAX	EMAIL
United States	COMCOMM (OSCS Butierries)	757-421-6271		Daniel.G.Butierries@uscg.mil
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
Antigua	James Lee	268-462-2494	268-462-2510 / 460-6024	Generaljay28@yahoo.com
Bermuda	NAVTEX	441 297 1010		
Canada	MCTS Iqaluit	867-979-5724	867-979-4264	iqanordreg@innav.gc.ca
Canada	JRCC Halifax	902-427-8200	902-427-2114	jrcchalifax@sarnet.dnd.ca
Canada	MCTS Prescott	613-925-4471	613-925-4519	
Colombia	Juan David Ortiz Buitrago	(5) 6694465 Ext. 5142- 5121		jortizbuitrago@dimar.mil.co
Costa Rica	Diego Leal Obando	506-2233-5022	(506) 2223-2697	dlealoba@mopt.go.cr
Curacao	RCC Curacao	599 9 463 7733		Rcc.curacao@mindef.nl
Dominica	Fitzroy Pascal	1 767 449 2185	1 767 449 2020	Metoffice@cwdom.dm
Ecuador	Dr. Gabriel Abad Neune			gabad@armada.mil.ec
El Salvador	José Navarrete López	(503) 2530-2228	(503) 2530-2228	jnavarrete@amp.gob.sv
French Antilles	Adjoint Mer Antilles (C)	596 (0)5 96 39 50 59, 596 (0)6 96 28 40 82	596 (0)5 96 39 51 65	opsmer.faa@wanadoo.fr
French Guiana	Adjoint Mer Guyane (A)	594 (0)5 94 39 56 69	594 (0)5 94 39 55 85	Nauticinfo.guyane@netfag.fr
Greenland	Assiaat Radio	299-130-0	299-892-777	oyr@telepost.gl
Greenland	Simiutaq	299 36 40 10		jrcc@jrcc.gl
Grenada	Sean Salhab	(473) 440-7678	1 868 7306454	grenport@spiceisle.com
Guatemala	Alejandro Raxon Herrera	(502) 233-44775	(502) 233-44775	hidrografia@dgam.gob.gt
Guyana	Troy Clark	(592) 226 0860		troy-evan@hotmail.com
Honduras	Javier Diaz	5 042 665 6661		Javierd_hn@yahoo.com
Jamaica	Henry Tomlinson	876 967 1060	876 922 5765	htomlinson@jamaicaships.com
Martinique	MRCC Fort de France	59 659 670 9292	59 659 6735730	opsmer.faa@wanadoo.fr
Mexico	Cap. Corb. David Jeronimo Guadarrama Mendoza	01 55 56246500 Ext 7230	01 55 56246500	depto.ayudas.nav@gmail.com
Panama	Flor Melina Pitty	507-501-5150		operaport@amp.gob.pa fpitty@amp.gob.pa
Puerto Rico	Coast Guard San Juan	7872892041	787-729-6706	SSJCC@USCG.MIL
St Kitts	Ludel Harvey	1-869-465-5451	1-869-466-7256	harveylharvey@yahoo.com

St Vincent and The Grenadines	David Robin	1-784-456-1378	1-784-451-2245	svgmarad@gmail.com
Trinidad	Mark Fisher	1-868-625-3804 (Ext 409)	1-868-624-5884	msdmowt@yahoo.com

2. Comments:

GMDSS Master Plan:

Last updated for NAVAREA IV and XII was March 2016. No changes.

Only discrepancy found is with Colombia, which does not have Santa Marta listed as a proposed new NAVTEX station.

Equipment Type	Software Version	Date of Up-date
TT-3026S (Virginia, AOR-E)	1.15 Build 27 FW 2.25	06 FEB 09
TT-3026S (Virginia, AOR-W)	1.15 Build 27 FW 2.25	06 FEB 09
TT-3026S (Missouri, AOR-E)	1.15 Build 27 FW 2.25	06 FEB 09
TT-3026S (Missouri, AOR-W)	1.15 Build 27 FW 2.25	06 FEB 09
TT-3027M (San Diego, POR)	2.01 FW 1.05	08 JAN 14

2013				2014				2015			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
3504	60			3744	16			1530	0		

NAVAREA Warnings Promulgated

	2013	2014	2015
NAVAREA IV	832	1099	1103
NAVAREA XII	324	493	411

Detail the number of NAVAREA warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time per broadcast via SafetyNET:

	2013		2014		2015	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
IV	216	16.2 Mins	122	16.1 Mins	130	16.3 Mins
XII	24	19.4 Mins	51	18.9 Mins	59	19.1 Mins

2016		2017		2018	
Total	E-mail	Total	E-mail	Total	E-mail
341	341				

3. NAVTEX Coverage:

a. NAVAREA IV

i. NAVTEX Coverage:

1. United States (USCG COMCOMM, OSCS Butierries, 757-421-6271).
 - a. Boston, Massachusetts [F] – Remote controlled from Portsmouth
 - b. Chesapeake (Portsmouth), Virginia [N]
 - c. Charleston, South Carolina [E] – Remote controlled from Portsmouth
 - d. Miami, Florida [A] – Remote controlled from Portsmouth
 - e. New Orleans, Louisiana [G] – Remote controlled from Portsmouth
 - f. San Juan, Puerto Rico [R] – Remote controlled from Portsmouth
2. Canada
 - a. Iqaluit [T] (Telephone: 867-979-0310)
 - i. Controlled by Iqaluit MCTS
 - b. Cartwright [X] (Telephone: 709-896-2252)
 - i. Controlled by Labrador MCTS
 - c. Robin Hood Bay [O] (Telephone: 709-772-2182)
 - i. Controlled by Placentia MCTS
 - d. Moisie [C] (Telephone: 418-269-5686)
 - i. Controlled by Les Escoumins MCTS
 - e. Port Caledonia [Q] (Telephone: 902-564-7751)
 - i. Controlled by Sydney MCTS
 - f. Chebogue [U] (Telephone: 902-426-9750)
 - i. Controlled by Halifax MCTS
3. Greenland (Denmark)
 - a. Kook Island (Nuuk) [W] (Telephone: 299-691-911)
 - b. Simiutaq [M] (Remote controlled by JRCC Greenland, +299 36 40 10)
4. Great Lakes Region
 - a. Ferndale [H] – Remote controlled from Prescott
 - b. Pass Lake [P] (Telephone: 807-345-5190)
5. Bermuda (United Kingdom, Telephone: 441 297 1010)
 - a. Bermuda [B]
6. Colombia (Juan David Ortiz Buitrago, (5) 6694465 Ext. 5142-5121)
 - a. Punta Soldado (Testing)
 - b. Santa Marta (Testing)
7. Curaçao (Netherlands) (Telephone: 599 9 463 7733)
 - a. Curaçao [H]

ii. SafetyNet

1. French West Indies [C] (Telephone: 596 (0)5 96 39 50 59)
2. French Guiana [A] (Telephone: 594 (0)5 94 39 56 69)

b. NAVAREA XII

i. NAVTEX Coverage

1. United States (USCG COMCOMM, OSCS Butierries, 757-421-6271)
 - a. Kodiak, Alaska [J]
 - b. Astoria, Washington [W] – Remote controlled from Point Reyes

- c. Point Reyes, California [C] – Remote controlled from Point Reyes
 - d. Cambria, California [Q] – Remote controlled from Point Reyes
 - e. Honolulu, Hawaii [O] – Remote controlled from Point Reyes
 - f. Guam [V]
2. Canada (Controlled by Prince Rupert MCTS, Telephone 250-627-3074)
 - a. Digby Island [D] (Telephone: 250-627-3074)
 - b. Amphitrite [H] (Telephone: 250-627-3074)
 3. Ecuador
 - a. Ayora [L] (Out of service)
 4. Peru
 - a. Paita [S] (51-1-7321-1670)

There are 18 Coastal Warning stations within NAVAREA IV, 16 NAV NAVTEX stations and two SafetyNet stations.

There are 10 Coastal Warning stations within NAVAREA XII, all NAVTEX stations.

4. Operational Issues:

NAVTEX Station Curaçao (H) contacted NAVAREA IV on 10 July to request a navigational warning to inform mariners that its station was inoperative. NAVAREA IV 552/2016 was issued. Following that, NAVAREA IV contacted RCC Curaçao, which operates the NAVTEX station, and offered support to disseminate any coastal warnings by SafetyNet until its station became operational. On 11 July, Curaçao sent its first request. It was a weather forecast. NAVAREA IV coordinated with METAREA IV to disseminate this meteorological information. Additionally, NAVAREA IV coordinated RCC Curaçao to establish direct communications between it and METAREA IV so it could quickly and efficiently promulgate its meteorological information. NAVTEX Station Curaçao completed repairs and was operational on 2 August.

NAVTEX Station Iqaluit (T), located in north eastern Canada, informed NAVAREA IV that it was not operational on 21 July. NAVAREA IV 595/2016 was issued. NAVAREA IV contacted MSTs Iqaluit and offered support to disseminate any coastal warnings by SafetyNet until its station became operational. MSTs Iqaluit does not have an estimated time of repair.

On 17 April, a 7.8 earthquake struck coastal Ecuador. It affected all six coastal provinces: Guayas, Manabi, Santo Domingo, Los Rios, Esmeraldas and Galapagos. With NAVTEX Station Ayora (L) in the Galapagos out of service combined with no coastal warning coverage for the other provinces, NAVAREA XII contacted the Ecuadorian Maritime authority to offer immediate support to notify mariners of any port closures, aids to navigation that were out of service, or other urgent maritime safety information that mariners required.

NAVAREA IV/XII began testing Inmarsat's Maritime Safety Data Service in December 2015. Started using it full time in January 2016. The user interface is clean and easy to use. NAVAREA IV/XII looks forward to continued improvements.

Details of MSI information received from coastal states within the NAVAREA IV and XII and typical topics/subjects. MSI received regularly received from 11 of 43 national coordinators (23%). Twenty-two of 43 (46%), national coordinators successfully completed the IHO MSI Capacity Building course. Seven of the 22 trained countries (31%) provide MSI regularly.

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages	Completed MSI Training Course
Anguilla (UK)			Yes
Antigua and Barbuda			Yes
Aruba (Kingdom of the Netherlands)			
Bahamas			
Barbados			Yes
Belize			
British Virgin Islands (UK)			Yes
Caribbean Netherlands (Kingdom of the Netherlands)			
Cayman Islands (UK)			Yes
Colombia	47	Aids to Navigation, SAR, Survey Operations, Gunnery Exercises	Yes
Costa Rica			Yes
Cuba			
Curaçao (Kingdom of the Netherlands)	10	Objects adrift	
Dominica			Yes
Dominican Republic			
Ecuador			Yes
El Salvador			Yes
French Guiana	43	Hazardous Operations	
Grenada			Yes
Guadeloupe (France)			
Guatemala	5	Gunnery	Yes
Guyana			Yes
Haiti			
Honduras	3	Aids to Navigation, Cable Laying	Yes
Jamaica	6	Surveys, Underwater Operations	Yes
Martinique (France)	29	Gunnery	
Mexico	394	Aids to Navigation, Survey operations	
Montserrat (UK)			Yes
Nicaragua			
Panama	1	Fish Haven	Yes
Puerto Rico (US)			

Saint Barthélemy (France)			
Saint Kitts and Nevis			Yes
Saint Lucia			
Saint Martin (France)			
Saint Vincent and the Grenadines	1	Volcanic Activity	Yes
Saint Maarten (Kingdom of the Netherlands)			
Suriname			Yes
Trinidad and Tobago	46	Aids to Navigation, Underwater Operations	Yes
Turks and Caicos Islands (UK)			Yes
United States Virgin Islands (US)			
Venezuela			

New infrastructure. Coordination between Colombia, NAVAREA IV/XII and the IMO NAVTEX Coordinating Panel Chairman continue with respect to Colombia’s plan to add two new NAVTEX stations, one a Punta Soldado and the other at Santa Marta.



The IMO NAVTEX Coordinating Panel Chairman authorized Colombia to conduct test transmissions and trials.

Punta Soldado:

518 kHz B1 Character [O] 0220, 0620, 1020, 1420, 1820 and 2220 UTC

490 kHz B1 Character [C] 0020, 0420, 0820, 1220, 1620 and 2020 UTC

Santa Marta:

518 kHz B1 Character [C] Charlie 0020, 0420, 0820, 1220, 1620 and 2020 UTC
 490 kHz B1 Character [K] Kilo 0140, 0540, 0940, 1340, 1740 and 2140 UTC

Do you issue “In Force warnings” Bulletins? Yes.

How do mariners find the text of your “In Force” warnings that are more than 42 days old and which are no longer broadcast? In-Force NAVAREA IV and XII messages are posted each morning (to <http://msi.nga.mil/NGAPortal/MSI.portal>) 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

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:

See Operational Issues, paragraph 4, for a summary of MSI training by coastal states. Prioritized list of Coastal states that need MSI training:

1. Haiti
2. Cuba
3. Dominican Republic
4. Ecuador
5. El Salvador
6. Venezuela
7. Nicaragua
8. Suriname

8. Other Activities:

NAVAREA IV/XII completed development of its Microsoft Access database to output warnings in a geospatial format other than a Google Earth kmz file. It began using this new database on 29 August 2016. The database manages source, creates products, captures watch officer performance and interfaces directly with ESRI ArcGIS. From ArcGIS NAVAREA IV/XII will be able to produce a service enabled data set that will be displayable in any web browser and scale in size to adapt to smart phones and tablets. Currently, this service can be updated every eight hours with real time updates expected by the end of 2016. Additionally, NAVAREA IV/XII is working to build a web interface to allow coastal warning providers to input navigational warnings. Upon completion mariners will be able to geographically view all navigational warnings, both NAVAREA and Coastal, within NAVAREA IV and XII.

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

WWNWS7 Monaco—August 2015

MSI Course St. Lucia—August 2016 (Lead Instructor)

Provided MSI presentation for MACHC—December 2015

IMO NCSR3 Meeting, IHO Rep, London—March 2016

IHO WWNWS Guidance Document Review Meeting, Mar 2016

Radio Technical Commission for Maritime Services Annual Assembly Meeting—May 2016

9. NAVAREA Website:

<http://msi.nga.mil/NGAPortal/MSI.portal>

How often is the information on your web site updated? Daily, Monday through Friday.

Do you display the date and time of the last update on your web site? Yes.

10. NAVAREA Contact Information:

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

Mr. Peter Doherty

ATTN: N65-SH

7500 GEOINT Drive

Springfield, Virginia 22150-7500

Tel: +1 571 557 6746, +1 571 557 5455 (24x7)

Fax: +1 571 558 3261

E-mail: Peter.M.Doherty@nga.mil

[E-mail \(MSI for NAVAREA IV or XII\): navsafety@nga.mil](mailto:navsafety@nga.mil)

11. Recommendations:

None.

12. Actions requested:

Note the information provided

13. Summary: The NAVAREA IV and XII Coordinator presented an overview of his self-assessment paper and noted that all broadcast messages 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 support for the NAVTEX Stations in Curaçao and Iqaluit, and to Ecuador after the earthquake in April. He described the usefulness of Inmarsat's MSDS to issue navigational warnings. He discussed the new database and how it is used to manage source, disseminate warnings, track watch officer performance and how it would interact with ESRI ArcGIS to produce a near, real time graphic representation of navigation warnings 24x7. He covered NGA participation at the MACHC and its involvement in the IHO MSI Course in St Lucia. He thanked Colombia, Curaçao, French Guiana, Guatemala, Honduras, Jamaica, Martinique, Mexico, Panama, St. Vincent and the Grenadines, and Trinidad and Tobago for their excellent MSI support. Lastly, he discussed the ongoing progress for the new NAVTEX stations in Colombia.