

**MSI Self Assessment NAVAREA IV and XII**

Submitted by United States / NGA

**SUMMARY**

Executive Summary: Synopsis of activities within NAVAREA IV and XII since WWNWS8

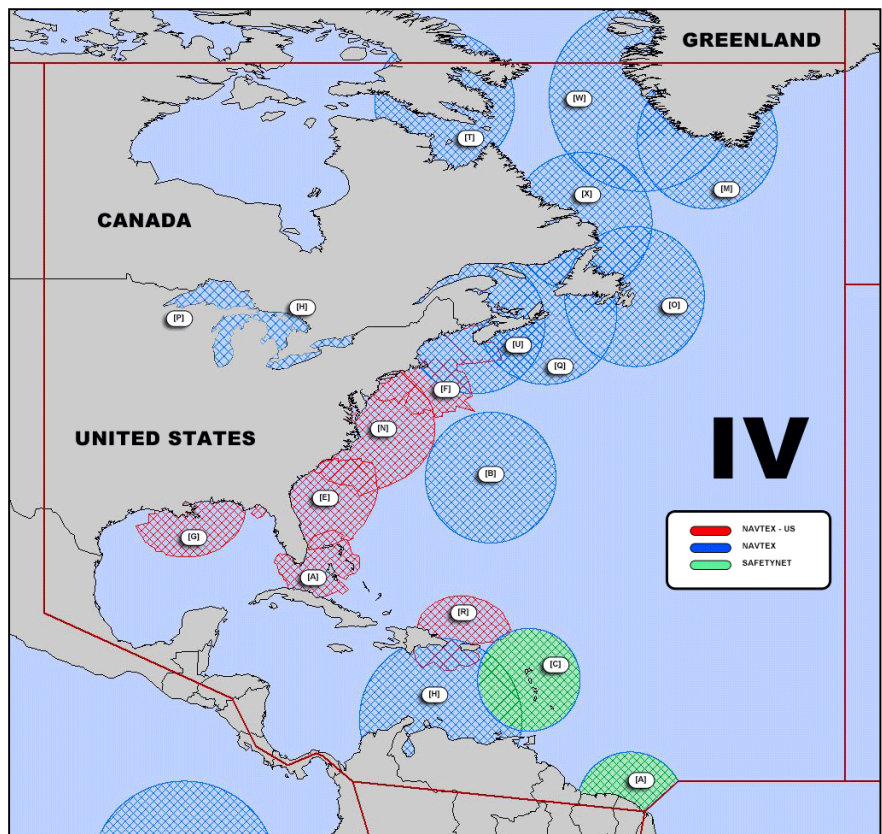
Action to be taken: Note report

Related documents: None

1. Background:

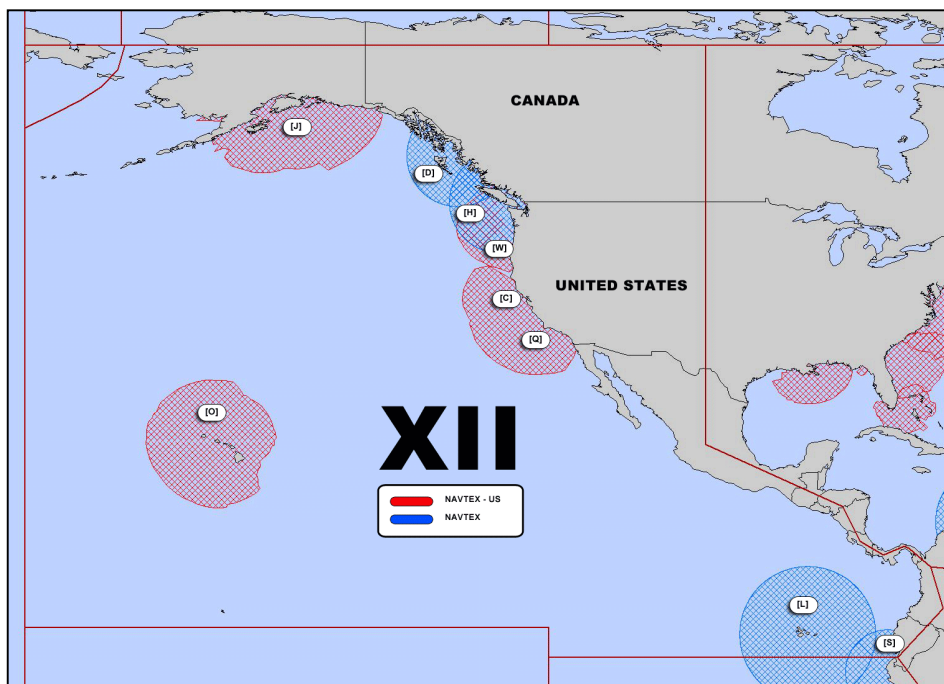
Limits of NAVAREA IV: From the east coast boundary of French Guiana to 07-00N out to 035-00W, from there to 067-00N and the coastline of Greenland, following 067-00N to the coastline of Canada (Baffin Islands area).

67-00-00N	102-00-00W
66-59-49N	034-59-49W
06-59-45N	035-00-17W
06-59-49N	048-59-57W
04-30-00N	051-46-13W
06-59-59N	076-14-17W
09-08-41N	078-44-03W
09-22-43N	079-19-09W
08-21-53N	081-39-33W
09-56-49N	084-18-08W
13-54-39N	086-17-03W
21-02-23N	102-00-00W
67-00-00N	102-02-00W



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.

57-30-00N	180-00-00W
59-06-04N	176-39-54W
60-38-31N	173-41-49W
62-10-55N	171-18-57W
64-09-14N	169-24-14W
67-00-00N	168-36-25W
67-00-00N	102-00-00W
21-02-24N	102-00-00W
13-54-39N	086-17-02W
09-56-49N	084-18-07W
08-21-54N	081-39-32W
09-22-51N	079-18-50W
09-08-56N	078-44-02W
07-00-00N	076-14-16W
02-13-15N	074-45-28W
03-24-07S	079-59-49W
03-24-07S	119-59-45W
00-00-00N	120-00-00W
00-00-00N	180-00-00W
50-00-00N	180-00-00E
53-00-00N	172-00-00E
57-30-00N	180-00-00E



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

COUNTRY	NAME	TELEPHONE	FAX	EMAIL
United States	COMCOMM (OSCS Butierries)	757 421 6240		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	jrcchonolulu@uscg.mil
United States	Coast Guard District 17	907 463 2000	907 463 2023	jrccjuneau@uscg.mil
United States	International Ice Patrol	860 271 2626	860 271 2773	iipcomms@uscg.mil
Anguila	Rawle Hazell	264 497 2651		Rawle.Hazell@gov.ai
Antigua & Barbuda	Darion Lake	268 462 1273/268 779 8799	268 462 2510 / 460 6024	dlake@abregistry.ag
Barbados	George Fergusson	246 434 6100		kfergusson@barbadosport.com
Belize	Martin Mccord	501 223 0714		mmcord@portauthority.bz
Bermuda	Steven Pegg	441 297 1010		
British Virgin Islands	Port Authority	284 468 2902/2903		rfrett@gov.vg
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	506 2255 3854	(506) 2223-2697	dlealoba@mopt.go.cr
Costa Rica	Arllang TEBYANIAN CASTRO	506 2233 5022		atebyanc@mopt.go.cr
Cuba	Alexis Lopez Miranda	53 72090926		hg@unicom.co.cu
Curacao	Germain Felida	599 9 463 7747		gjf.felida@mindef.nl
Curacao	RCC Curacao	599 9 463 7700		Rcc.curacao@mindef.nl
Dominica	Fitzroy Pascal	1 767 449 2185	1 767 449 2020	Metoffice@cwdom.dm
Dominican Republic	Lopez Primitivo	809 593 5900		Primitivo.lopez@live.com
Ecuador	Mario Fernando Bastidas	593 2320400		mvillagran@armada.mil.ec
El Salvador	Jesus Alfonso Diaz	503 259 35497		jesus.villalta@cnr.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	299 130 000/ 299 386 993	299 892 777	oyr@telepost.gl
Greenland	JRCC Greenland	299 364 010/ 299 364 000		jrcg@jrcg.gl

Grenada	Sean Salhab	473 440-7678	1 868 7306454	grenport@spiceisle.com
Grenada	Anthony Belmar	473 420 6376		grenport@spiceisle.com
Guatemala	Hugo Estuardo Recenos Carpio	502 4497 4254	(502) 233- 44775	hidrografia@dgam.gob.gt
Guyana	Troy Clark/Mikel Figueira	(592) 226 0860		sos@marad.gov.gy/mikel_figueria@hotmail.com
Haiti	Frenold Cheristin	509 2816 1630		frenoldcheristin@yahoo.fr
Honduras	Mario Alberto Morales Caballero	504 8990 0520		malcab1430@gmail.com
Jamaica	Henry Tomlinson	876 379 7169, 876 967 1060	876 922 5765	htomlinson@jamaicaships.com
Martinique	MRCC Fort de France	59 659 670 9292	59 659 6735730	
Mexico	Cap. Corb. David Jeronimo Guadarrama Mendoza	01 55 56246500 EXT 7230	01 55 56246500	depto.ayudas.nav@gmail.com
Nicaragua	Daniel Veliz Valle	505 2222 3738		leinael.0983@gmail.com
Panama	Flor Melina Pitty	507 501 5150		operaport@amp.gob.pa, fpitty@amp.gob.pa
Puerto Rico	Coast Guard San Juan	787 289 2041	787 729 6706	ssjcc@uscg.mil
Saint Lucia	Christopher Alexander	758 457 6152		christopher.alexander@sla psa.com
St Kitts	Wayne Edmeade	1 869 466 7032 EXT 243		Maritimeaffairs@yahoo.com
St Kitts	Ludel Harvey	1 869 465 5451	1 869 466 7256	harveylharvey@yahoo.com
St Vincent and The Grenadines	David Robin/Hyron Johnson	1 784 456 1378	1 784 451 2245	svgmarad@gmail.com
Suriname	Odinga Seedo	597 476 733 EXT 242		ossed@mas.sr
Trinidad	Mark Fisher	1 868 625 3804 (Ext 409)	1 868 624 5884	solmso@gov.tt

## 2. Comments:

### GMDSS Master Plan:

Last updated for NAVAREA IV and XII was March 2017. Santa Marta, Colombia changed from “Planned” to “Under Trial”. Planned stations in Mexico for Veracruz, Cozumel, La Paz, Manzanillo, and Salina Cruz deleted until installation complete. Mexico does not have plans at this time to move forward to establish a NAVTEX service. Honduras has plans to establish a station on its east coast and continues to work with the IMO NAVTEX Coordinator to facilitate that process.

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 (Hawaii, POR)	2.01 FW 1.05	08 JUN 17

**Source Received by type:**

2014				2015				2016			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
3744	16			2197	0			1606	0		

**NAVAREA Warnings Promulgated**

	2014	2015	2016
NAVAREA IV	1099	1103	1105
NAVAREA XII	493	411	501

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

	2014		2015		2016	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
IV	122	16.1 Mins	130	16.3 Mins	146	22.8 Mins
XII	51	18.9 Mins	59	19.1 Mins	52	29.5 Mins

**Request for In-Force Warnings:**

2016		2017		2018	
Total	E-mail	Total	E-mail	Total	E-mail
341	341	477	477		

Note: For 2017, 322 requests for NAVAREA IV and 155 for NAVAREA XII; no data prior to 2016.

3. NAVTEX Coverage:
  - a. NAVAREA IV
    - i. NAVTEX Coverage:
      1. United States (USCG COMCOMM, OCSB 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. Santa Marta (Under Trial)
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, OCSB 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. Colombia (Juan David Ortiz Buitrago, (5) 6694465 Ext. 5142-5121)
      - a. Punta Soldado (Planned)
    - 4. Ecuador
      - a. Ayora [L] (Out of service)

5. 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:

On May 13, for the first time, NAVAREA IV received MSI from Cuba. This culminated almost four years of coordination between several maritime authorities from both countries. It resulted in NAVAREA IV 392/17. Subsequently, Cuba provided additional MSI in July, which resulted in two more navigational warnings. NAVAREA IV greatly appreciates Cuba's contributions and its support to ensuring safe navigation.

NAVAREA IV 392/17.

GULF OF MEXICO.

CUBA-NORTHWEST COAST.

1. SURVEY OPERATIONS 15 MAY THRU 15 JUN  
BY M/V BGP CHALLENGER AND M/V BGP SUPPLY II  
TOWING 12000 METER LONG CABLE IN AREA BOUND BY  
22-05.25N 085-02.31W, 22-33.75N 084-28.15W,  
22-56.53N 083-44.56W, 24-01.56N 084-09.36W,  
25-30.38N 087-02.65W, 25-16.98N 087-03.65W,  
22-43.46N 086-06.35W, 22-14.30N 085-59.96W.  
SEVEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 16 JUN 17.

NAVAREA IV 573/17.

CARIBBEAN SEA.

CUBA-SOUTH COAST.

CHART 26100, 26220.

1. MORRO DE CUBA LIGHT 19-58.1N 075-52.1W RANGE  
TEMPORARILY REDUCED TO SEVEN MILES.
2. CANCEL THIS MSG 24 JUL 17.

NAVAREA IV 602/17.

GULF OF MEXICO.

CUBA-NORTHWEST COAST.

1. SURVEY OPERATIONS 24 JUL THRU 20 AUG BY  
M/V BGP CHALLENGER AND M/V BGP SUPPLY II  
TOWING 12000 METER LONG CABLE IN AREA BOUND BY  
24-08.01N 086-37.86W, 24-41.24N 085-37.63W,  
23-58.56N 084-00.27W, 23-49.23N 083-13.15W,  
23-49.23N 081-42.67W, 23-54.34N 081-12.24W,  
23-31.22N 080-37.34W, 22-52.55N 083-55.60W,  
22-03.21N 085-05.18W, 21-45.64N 085-53.18W,  
22-42.32N 086-05.85W.  
SEVEN MILE BERTH REQUESTED.

2. CANCEL THIS MSG 21 AUG 17.

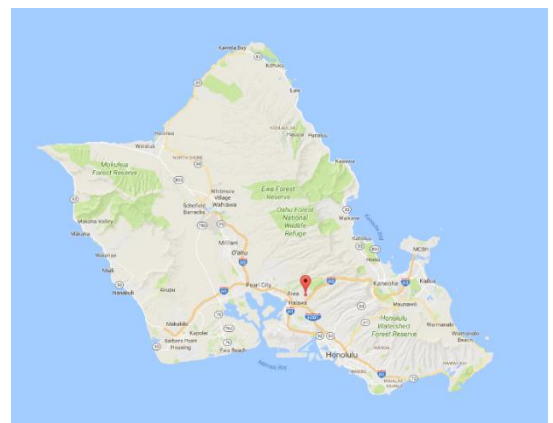
NAVTEX Station Iqaluit (T) became inoperative on June 15, 2017. NAVAREA IV issued NAVAREA IV 502/17, contacted MCTS Iqaluit and offered to disseminate any coastal warnings via SafetyNET until the station was operational. No estimated time of repair.

Received critical MSI from Haiti in October 2016 during and after Hurricane Mathew. NAVAREA IV issued four navigation warnings with respect to port closures and damaged, missing, unreliable, and destroyed aids to navigation due to the effects of the hurricane.

On November 22, 2016, Panama sent MSI to NAVAREA IV that the M/V JESSIKA was disabled and adrift. She sank on November 23 outside the eastern entrance to the Panama Canal. NAVAREA IV issued a warning to notify mariners of the dangerous wreck. On December 7, the M/V ASPHALT SPRING collided with the M/V JESSIKA. The chronology is as follows and emphasizes the critical importance of the WWNWS:

1. 222204Z NOV 16.
  1. NAVAREA IV 991/16 – Lifeboat unreported with 3 passengers from M/V JESSIKA in 09-29N 079-50W.
2. 231155Z NOV 16.
  1. NAVAREA IV 993/16 – DERELICT M/V JESSIKA ADRIFT in 09-29N 079-50W.
3. 231743Z NOV 16.
  1. NAVAREA IV 994/16 – DANGEROUS WRECK established (M/V JESSIKA sank) in 09-25.35N 079-52.02W.
  2. CX NAVAREA IV 993/16.
4. 271521Z NOV 16.
  1. NAVAREA IV 1000/16 – Lifeboat recovered, 2 passengers remain missing.
  2. CX NAVAREA IV 991/16.
5. 071230Z DEC 16.
  1. NAVAREA IV 1034/16 – M/V ASPHALT SPRING AGROUND in 09-25.35N 079-52.02W.
6. 080327Z DEC 16.
  1. NAVAREA IV 1038/16 – M/V ASPHALT SPRING floated off wreck and towed into port.
  2. CX NAVAREA IV 1034/16.

NAVAREA XII, on June 13, completed the relocation of its Inmarsat Mini-C antenna (TT-3027M) from San Diego, California to Oahu, Hawaii. What made this location advantageous was largely due to the hardware/software that the 3027M has. It provides a capability to have its own IP address and, once configured, can transmit and receive traffic via the internet without the need to be directly connected to a computer. It can be reconfigured through the same protocol, which allows the antenna to be positioned in an optimum location while the watch officer can be thousands of miles away.



Details of MSI information received from coastal states within the NAVAREA IV and XII and typical topics/subjects. MSI received regularly received from 16 of 42 national coordinators (38%), up from 23% reported at WWNWS8. Thirty of 42 national coordinators (71%), up from 46% reported at WWNWS8,

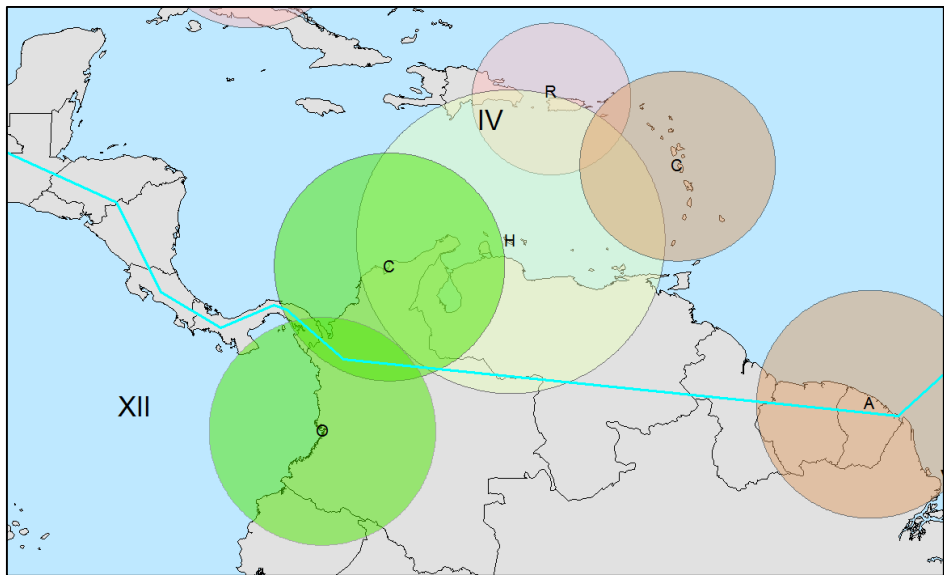


successfully completed the IHO MSI Capacity Building course. Fourteen of the 30 trained countries (47%) provide MSI regularly, up from 31% reported at WWNWS8.

<b>Coastal State/Country</b>	<b>Number of MSI messages</b>	<b>Topics/Subjects of messages</b>	<b>Completed MSI Training Course</b>
Anguilla (UK)			Yes
Antigua and Barbuda	1	Aids to Navigation	Yes
Aruba (Kingdom of the Netherlands)			
Bahamas			
Barbados	2	Aids to Navigation, Hazardous Operations	Yes
Belize	1	Hazard to Navigation	
British Virgin Islands (UK)			Yes
Caribbean Netherlands (Kingdom of the Netherlands)			
Cayman Islands (UK)			Yes
Colombia	184	Aids to Navigation, SAR	Yes
Costa Rica			Yes
Cuba	3	Aids to Navigation, Survey Operations	Yes
Curaçao (Kingdom of the Netherlands)			Yes
Dominica			Yes
Dominican Republic			
Ecuador			Yes
El Salvador			Yes
French Guiana	9	Hazardous Operations	
Grenada			Yes
Guadeloupe (France)			
Guatemala	5	Gunnery	Yes
Guyana	15	Hazardous Operations, Surveys	Yes
Haiti	2	Aids to Navigation	Yes
Honduras			Yes
Jamaica	5	Aids to Navigation	Yes
Martinique (France)	36	Gunnery	
Mexico	152	Aids to Navigation, Survey operations	Yes
Montserrat (UK)			Yes
Nicaragua			Yes
Panama	14	Aids to Navigation, SAR	Yes
Puerto Rico (US)			
Saint Barthélemy (France)			
Saint Kitts and Nevis			Yes
Saint Lucia			Yes

Saint Martin (France)			
Saint Vincent and the Grenadines	1	Volcanic Activity	Yes
Saint Maarten (Kingdom of the Netherlands)			
Suriname	3	Hazardous Operations	Yes
Trinidad and Tobago	54	Aids to Navigation, Survey	Yes
Turks and Caicos Islands (UK)			Yes
United States Virgin Islands (US)			Yes
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.

Santa Marta (Under Trial):

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

Punta Soldado (Planned):

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

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. Venezuela
2. Dominican Republic

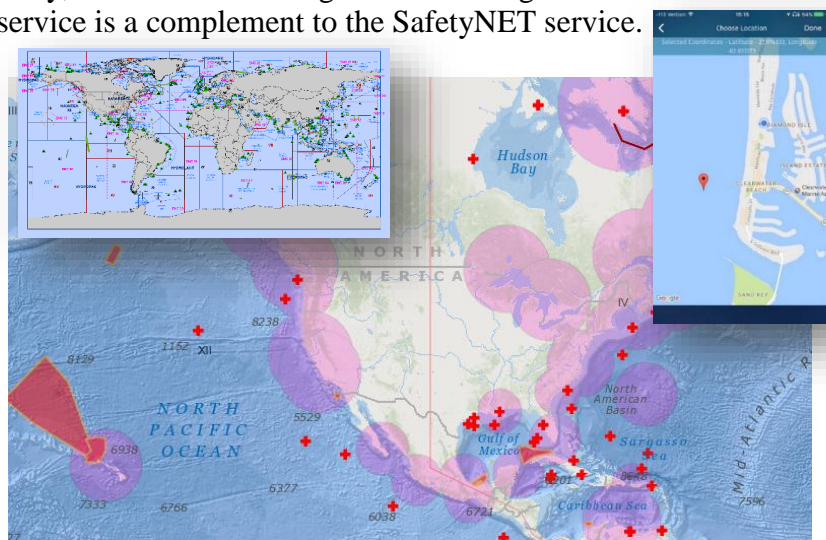
8. Other Activities:

After almost three years of development, NAVAREA IV/XII implemented a new Microsoft Access database in November 2016 to improve source management, analysis, and how to produce navigation warnings. It transformed the process from a myriad of Word documents and spread sheets into an all-digital work flow with a single user interface. Initial metrics from November 2016 through July 2017 show that the standardized and improved work flow led to a 73% decrease in common mistakes. Additionally, NAVAREA IV/XII started an email subscription service, which provided subscribers, almost simultaneously, with the same navigational warning the watch officer transmitted via SafetyNET. This email service is a complement to the SafetyNET service.

In conjunction with a new database and process flow, NAVAREA IV/XII began work to service enable its navigational warnings. In addition to its primary means of dissemination (SafetyNET) and now secondary (Email), the third option will be to make navigation warnings simultaneously accessible on the internet and as a service. The web service prototype is available through the Broadcast Warnings link on the NAVAREA IV web site

(<http://msi.nga.mil>) or directly at

<http://nga.maps.arcgis.com/apps/webappviewer/index.html?id=c4cb60ceb7124e179193328342ddc5f9>. The service offers a quick visual depiction of all navigational warnings in force, in near real time,



directly via the internet, via an app, or via any another method where a third party can link to the service. The next milestone is to complete development of an interface for national coordinators to directly add their MSI to the service to create a comprehensive picture, including both coastal and NAVAREA warnings within NAVAREA IV and XII.

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

WWNWS8, Norway - September 2016

MACHC, Brazil - December 2016

IMO NCSR4 Meeting, IHO Rep, London - March 2017

IHO WWNWS Guidance Document Review Meeting, London - March 2017

IHO International Hydrographic Assembly, Monaco - April 2017

Radio Technical Commission for Maritime Services Annual Assembly, Florida - May 2017

MSI Training Course, Barbados - June 2017 (Lead Instructor)

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](mailto: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 Station in Iqaluit, MSI support to Panama (M/V Jessika sinking), MSI from Cuba, and the relocation of the NAVAREA XII Inmarsat Mini-C antenna to Hawaii. He discussed the new database and its use to manage source and disseminate navigational warnings. He mentioned the new email subscription service for navigational warnings and web service to provide 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 Barbados. He graciously thanked Cuba for its first MSI report to NAVAREA IV. Lastly, he discussed the ongoing progress for the new NAVTEX stations in Colombia.