

**MSI Self Assessment NAVAREA IV and XII**

Submitted by United States / NGA

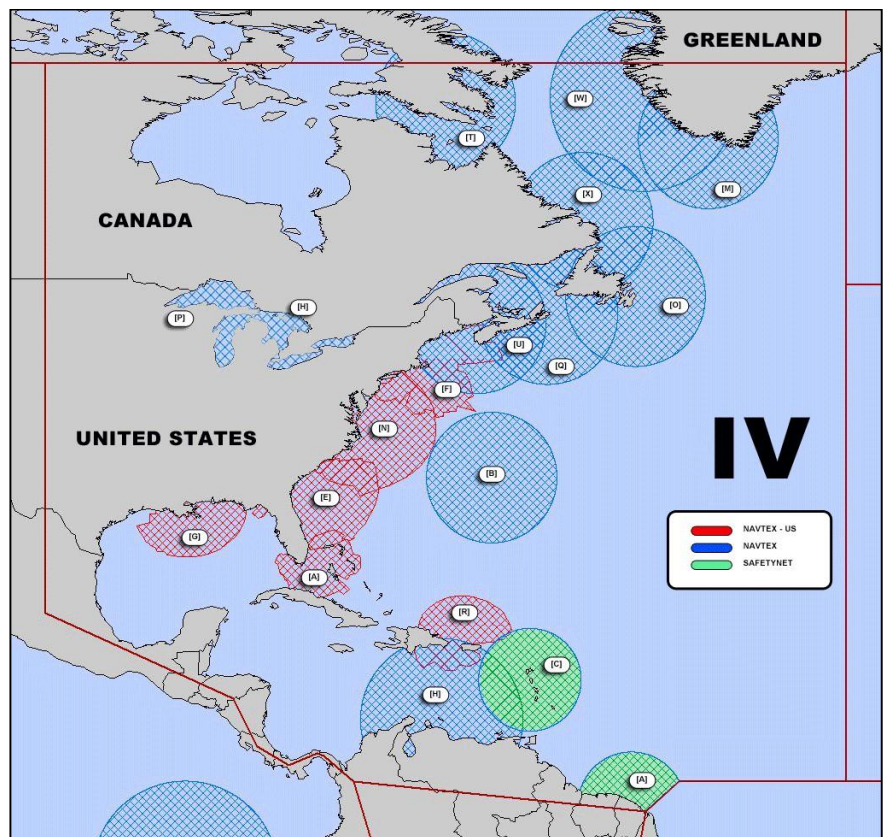
**SUMMARY**

Executive Summary: Synopsis of activities within NAVAREA IV and XII since  
 WWNWS9  
 Action to be taken: Note report  
 Related documents: None

1. Background:

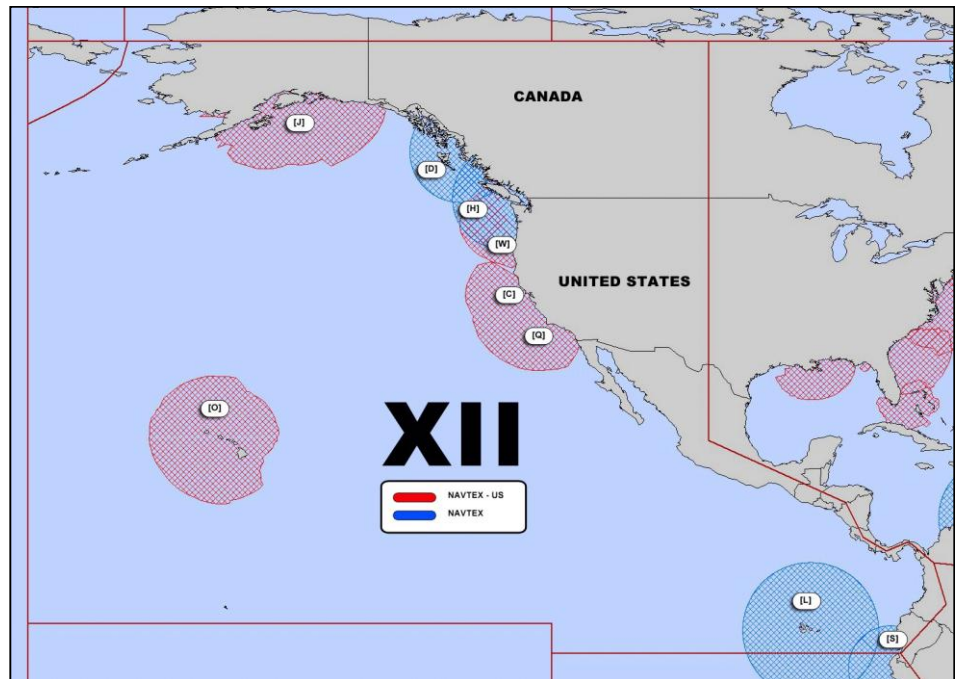
Limits of NAVAREA IV: From the east coast boundary of French Guiana to 07-00N out to 035-00W, from there to 067-00N and the coastline of Greenland, following 067-00N to the coastline of Canada (Baffin Islands area).

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 Coordinators 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-smbcmdcenter@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	jrcjuneau@uscg.mil
United States	International Ice Patrol	860 271 2626	860 271 2773	iipcomms@uscg.mil
Anguilla	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		jrcc@jrcc.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.c om
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.co m
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		osseddo@mas.sr
Trinidad	Mark Fisher	1 868 625 3804 (Ext 409)	1 868 624 5884	solmso@gov.tt

2. Comments:

GMDSS Master Plan:

No new updates to GMDSS Master plan since 31 May 2017 version.

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-3027M (Missouri, AOR-E)	2.01 FW 1.05	08 JUN 17
TT-3027M (Missouri, AOR-W)	2.01 FW 1.05	08 JUN 17
TT-3027M (Hawaii, POR)	2.01 FW 1.05	08 JUN 17
TT-3026S (Stuttgart, IOR)	1.15 Build 27 FW 2.25	06 FEB 09

Source Received by type:

2015				2016				2017			
E-mail	Fax	Phone	Text	Email	Fax	Phone	Text	E-mail	Fax	Phone	Text
2197	0			1606	0			1371	0		

NAVAREA Warnings Promulgated

	2015	2016	2017
NAVAREA IV	1103	1105	1210
NAVAREA XII	411	501	583

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

	2015		2016		2017	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
IV	130	16.3 Mins	146	22.8 Mins	152	9.6 Mins
XII	59	19.1 Mins	52	29.5 Mins	54	9.0 Mins

Request for In-Force Warnings:

2016		2017		2018	
Total	E-mail	Total	E-mail	Total	E-mail
341	341	477	477	880	880

Note: For 2018, 680 requests for NAVAREA IV and 200 for NAVAREA XII; no data prior to 2016.

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)  
Controlled by Iqaluit MCTS
  - b. Cartwright [X] (Telephone: 709-896-2252)  
Controlled by Labrador MCTS
  - c. Robin Hood Bay [O] (Telephone: 709-772-2182)  
Controlled by Placentia MCTS
  - d. Moisie [C] (Telephone: 418-269-5686)  
Controlled by Les Escoumins MCTS
  - e. Port Caledonia [Q] (Telephone: 902-564-7751)  
Controlled by Sydney MCTS
  - f. Chebogue [U] (Telephone: 902-426-9750)  
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]
  - b. Colombia (Juan David Ortiz Buitrago, (5) 6694465 Ext. 5142-5121)
  - c. Santa Marta (Under Trial)
  
6. 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 20 Coastal Warning stations within NAVAREA IV, 18 NAV NAVTEX stations and two SafetyNet stations.

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

4. Operational Issues:

On February 12, 2018, for the first time NAVAREA IV received MSI from the Dominican Republic. This was the benefit of outreach during an IHO technical visit. It resulted in NAVAREA IV 132/18. Subsequently, the Dominican Republic provided three additional MSI reports later in the month of February, which resulted in two more navigational warnings. NAVAREA IV greatly appreciates the Dominican Republic's contributions and its support to ensuring safe navigation.

121932Z FEB 18

NAVAREA IV 132/18(26).

CARIBBEAN SEA.

DOMINICAN REPUBLIC.

HAITI.

CHART 26210.

1. PEDERNALES LIGHT 18-02.3N 071-44.9W, AID RESTORED.

2. CANCEL THIS MSG 191932Z FEB 18.

161319Z FEB 18  
 NAVAREA IV 139/18(25).  
 CARIBBEAN SEA.  
 DOMINICAN REPUBLIC.  
 CHART 25842.  
 1. PUNTA SALINAS LIGHT 18-12.4N 070-33.6W, AID RESTORED.  
 2. CANCEL THIS MSG 231319Z FEB 18.

191819Z FEB 18  
 NAVAREA IV 150/18(25,26).  
 CARIBBEAN SEA.  
 DOMINICAN REPUBLIC.  
 CHART 25800, 26210.  
 ISLA ALTO VELO LIGHT 17-28.5N 071-38.5W DESTROYED.

On March 16, NAVAREA IV/XII conducted contingency planning exercises with NAVAREA XVII/XVIII. NAVAREA IV/XII used SafetyNET II to transmit test messages for Canada using both the circular area and call to area message types. Canada transmitted two messages for NAVAREA IV/XII using the original SafetyNET system. All messages were received off of their proper respective satellites. Operations officers for each NAVAREA deemed the test a success.

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 (47%), up from 38% reported at WNWNS9. 31 of 42 national coordinators (74%), up from 71% reported at WNWNS9, successfully completed the IHO MSI Capacity Building course. 14 of the 31 trained countries (45%) provide MSI regularly, down from 47% reported at WNWNS9.

<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			Yes
Aruba (Kingdom of the Netherlands)			
Bahamas			
Barbados			Yes
Belize	1	Aids to Navigation	Yes
Bermuda			
British Virgin Islands (UK)			Yes
Caribbean Netherlands (Kingdom of the Netherlands)			
Cayman Islands (UK)			Yes
Colombia	163	Aids to Navigation, SAR	Yes



Costa Rica	1	SAR	Yes
Cuba	2	Aids to Navigation	Yes
Curaçao (Kingdom of the Netherlands)	1	Hazard to Navigation	Yes
Dominica			Yes
Dominican Republic	4	Aids to Navigation	Yes
Ecuador	4	Aids to Navigation	Yes
El Salvador			Yes
French Guiana	6	Hazardous Operations	
Grenada			Yes
Guadeloupe (France)			
Guatemala	1	Aids to Navigation	Yes
Guyana	11	Hazardous Operations, Survey Operations	Yes
Haiti	8	Hazard to Navigation, Aids to Navigation	Yes
Honduras	1	Aids to Navigation	Yes
Jamaica	4	Survey Operations	Yes
Martinique (France)	21	Gunnery, Hazard to Navigation, Aid to Navigation	
Mexico	126	Aids to Navigation, Survey Operations, Hazardous Operations	Yes
Montserrat (UK)			Yes
Nicaragua			Yes
Panama	8	Aids to Navigation, SAR	Yes
Puerto Rico (US)			
Saint Barthélemy (France)			
Saint Kitts and Nevis	5	Aids to Navigation, Hazardous Operations, SAR	Yes
Saint Lucia			Yes
Saint Martin (France)			
Saint Vincent and the Grenadines	4	Volcanic Activity, Aids to Navigation	Yes
Saint Maarten (Kingdom of the Netherlands)			
Suriname	12	Hazardous Operations, Survey Operations	Yes
Trinidad and Tobago	50	Aids to Navigation, Survey Operations, Hazardous Operations, SAR	Yes

Turks and Caicos Islands (UK)			Yes
United States Virgin Islands (US)			Yes
Venezuela	19	Hazardous Operations, Aids to Navigation	

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.

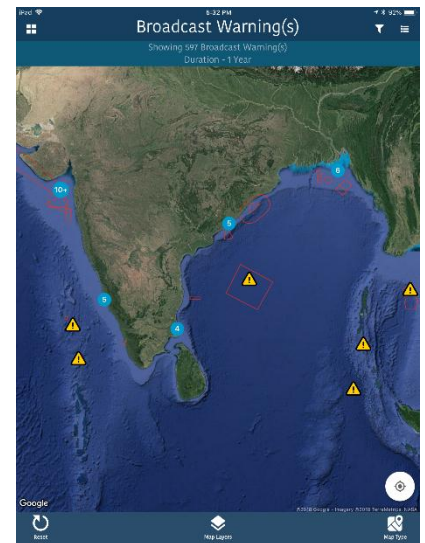
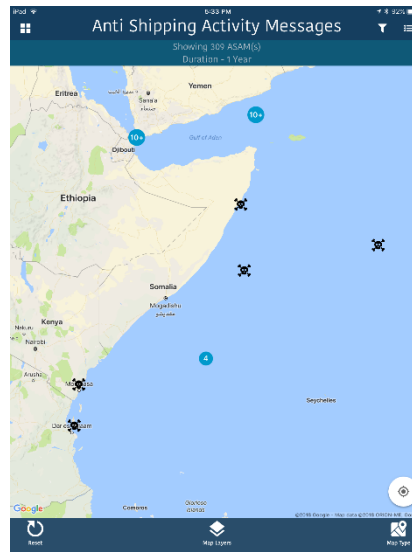
7. Capacity Building:

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

- a. Venezuela.

b. Other Activities:

After two years of work, the NGA released Maritime Guardian Pro (MG Pro) 2.0 through the Apple App store. The application provides a visual display of NAVAREA IV/XII broadcast warnings. Additional information layers such as piracy and mobile offshore drilling unit locations are available to the user. The application also allows users to self-report hazards and incidents to NAVAREA IV/XII through a form in the application.



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

WWNWS9, South Africa - Sep 2017

IHO MSI Training Course, South Africa – Sep 2017

IMO NCSR5 Meeting, IHO Rep, London - Feb 2018

IHO WWNWS Guidance Document Review Meeting, London - Feb 2018

IHO IRCC, India - June 2018

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 introduced the Self-Assessment report covering the period since WWNWS9. He noted receipt of MSI from the Dominican Republic for the first time. He noted continued support from Cuba. He noted successful testing of contingency planning between NAVAREA IV/XII and NAVAREA XVII/XVIII and he reported on the progress of NGA's Maritime Guardian Pro App.