

MSI Self-Assessment NAVAREA IV and XII

Submitted by United States / NGA

SUMMARY

Executive Summary: Synopsis of activities within NAVAREA IV and XII since
WWNWS11

Action to be taken: Note report

Related documents: None

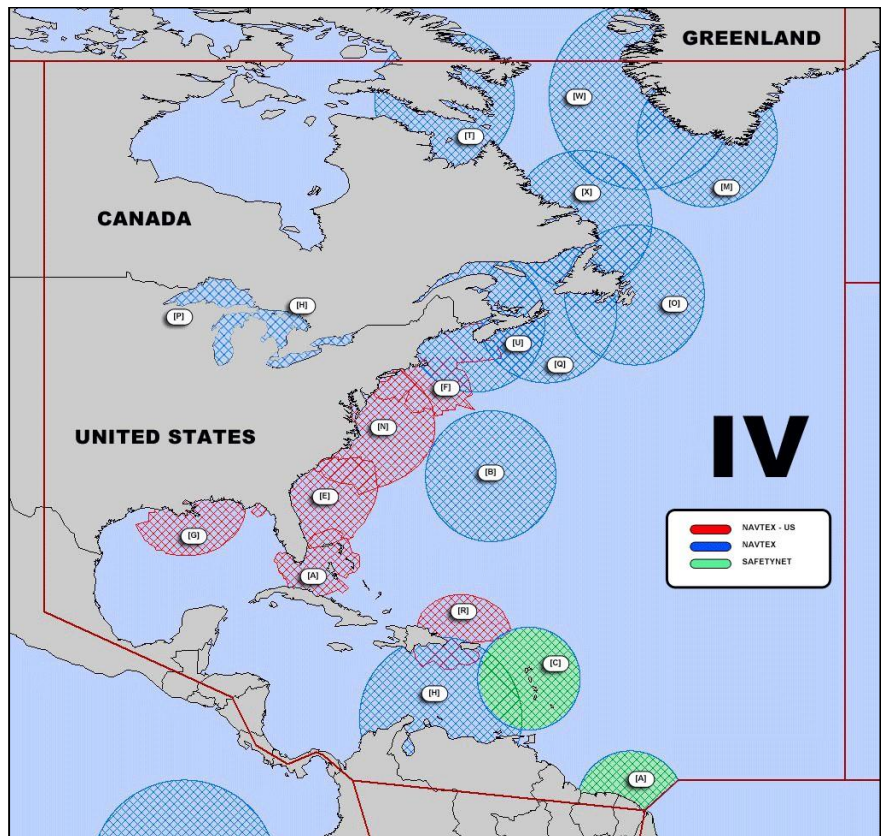
1. Background:

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).

Primary EGC mobile satellite used for broadcast: AOR-E

Broadcast Times: 1000 UTC and 2200 UTC daily

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

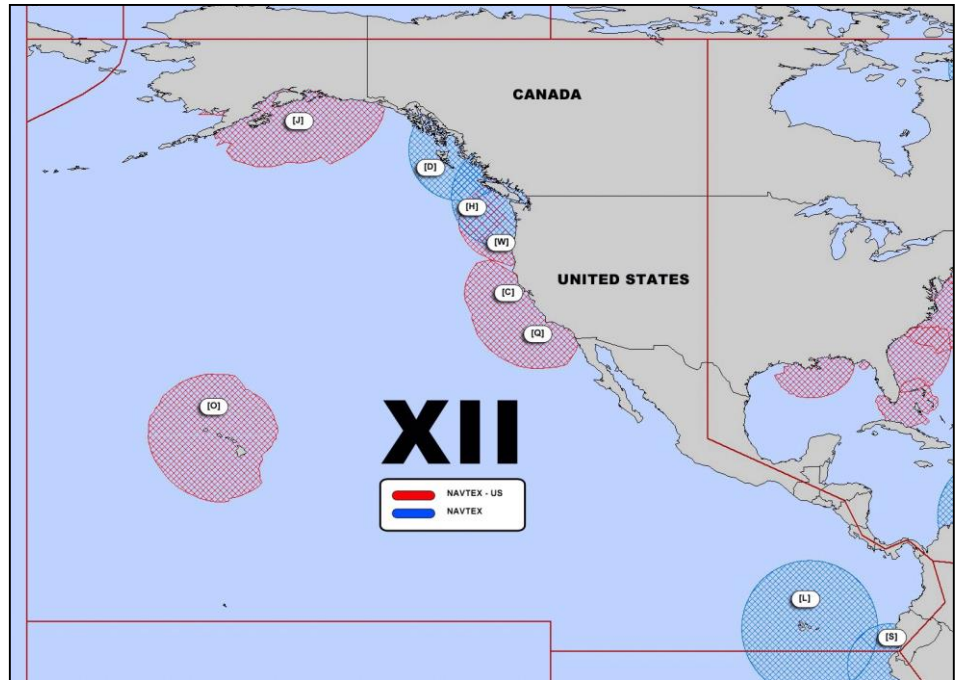


Limits of NAVAREA XII: from the coastline at 03-24S to 120-00W, then to 00-00, then to 180-00, then to 50-00N, and then following the International Date Line to 67-00N.

Primary EGC mobile satellites used for broadcast: AOR-W, POR

Broadcast Times: 1030 UTC and 2230 UTC daily

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



COUNTRY	NAME	TELEPHONE	FAX	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-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	jrchonolulu@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
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		gfg.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.com
Nicaragua	Daniel Veliz Valle	505 2222 3738		leinael.0983@gmail.com
Panama	Kiaranis Sanchez	507 6324 2549		kiaranis.sanchez@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@slapsa.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:

No new updates to GMDSS Master plan since 30 July 2020 version.

Equipment Type	Software Version	Date of Up-date
TT-3027M (Virginia, AOR-E)	2.02 Build 006	22 OCT 18
TT-3027M (Virginia, AOR-W)	2.02 Build 006	22 OCT 18
TT-3027M (Missouri, AOR-E)	2.02 Build 006	08 JUN 17
TT-3027M (Missouri, AOR-W)	2.02 Build 006	08 JUN 17
TT-3027M (Hawaii, POR)	2.02 Build 006	08 JUN 17
TT-3026S (Stuttgart, IOR)	1.15 Build 27 FW 2.25	06 FEB 09

Source Received by type:

2017				2018				2019			
E-mail	Fax	Phone	Text	Email	Fax	Phone	Text	E-mail	Fax	Phone	Text
1371	0			1720	0			2056	0		

IHO Member States which have not provided MSI for 2019 and 2020:

None to report.

NAVAREA Warnings Promulgated

	2017	2018	2019
NAVAREA IV	1210	1118	1128
NAVAREA XII	583	602	667

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

	2017		2018		2019	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
IV	152	9.6 Mins	327	15.3 Mins	364	9.0 Mins
XII	54	9.0 Mins	148	15.1 Mins	107	7.6 Mins

Request for In-Force Warnings:

2017		2018		2019	
Total	E-mail	Total	E-mail	Total	E-mail
880	880	2217	2217	1418	1418

Note:

2017 – 680 requests for NAVAREA IV and 200 for NAVAREA XII.
2018 – 1648 requests for NAVAREA IV and 569 for NAVAREA XII
2019 – 1307 requests for NAVAREA IV and 411 for NAVAREA XII

The number of In-Force requests exceeded the total number of NAVAREA IV warnings for the second consecutive year. Once again there were a significant amount of In-Force requests for NAVAREA XII warnings.

Do you have an EGC certificate of authorization from the IMO EGC Coordinating Panel: Yes

Specifics on what plans you have for obtaining an Iridium contract agreement, at what stage of testing are you and details on when you anticipate to commence full operational use of the SafetyCast system?

NAVAREA IV/XII has a signed contract with Iridium covering the next two years. NAVAREA IV/XII has received SafetyCast training and provided feedback to Iridium regarding their web interface. NAVAREA IV/XII anticipates to commence testing upon finalization of the Iridium web interface – no date to provide.

3. NAVTEX Coverage:

a. NAVAREA IV

i. NAVTEX Coverage:

1. United States (USCG COMCOMM, Patrick Gallagher, 202-475-3537).

- 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] – (Telephone 1 787-289-2041)

2. Canada

- a. Iqaluit [T] (Telephone: 867-979-0310)
- 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. Canada (Great Lakes Region)

- a. Ferndale [H] – Remote controlled from Prescott
- b. Pass Lake [P] (Telephone: 807-345-5190) (Intermittent Service)

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 [C]
 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, Patrick Gallagher, 202-475-3537).
 - a. Kodiak, Alaska [J] – (Telephone 1-907-487-5778)
 - b. Astoria, Washington [W] – Remote controlled from Point Reyes
 - c. Point Reyes, California [C]
 - d. Cambria, California [Q] – Remote controlled from Point Reyes
 - e. Honolulu, Hawaii [O] – Remote controlled from Point Reyes
 - f. Guam [V] – Out of service
 2. Canada (Controlled by Prince Rupert MCTS, Telephone 250-627-3074)
 - a. Digby Island [D] (Telephone: 250-627-3074) – Remote controlled from Prince Rupert MCTS
 - b. Amphitrite Point [H] (Telephone: 250-627-3074) – Remote controlled from Prince Rupert MCTS
 3. Colombia (Juan David Ortiz Buitrago, (5) 6694465 Ext. 5142-5121)
 - a. Buenaventura [O]
 4. Ecuador
 - a. Ayora [L] (Out of service)

There are 20 Coastal Warning stations within NAVAREA IV, 18 NAVTEX stations and two SafetyNET stations.

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

4. Operational Issues:

NAVAREA IV:

In NAVAREA IV, the Pass Lake NAVTEX station in Canada was providing intermittent service from 14 December 2018 to 15 July 2019, a total of 5,136 hours. All broadcasts were transmitted but there are no details on how many messages were unsuccessfully transmitted. U.S. Coast Guard Communications Command (USCOMMCOM) provided 22 MSI reports regarding operational changes to U.S. NAVTEX stations within NAVAREA IV.

In March of 2020, NAVAREA IV started to be impacted by the COVID-19 pandemic. NAVAREA IV produced 168 Navigational Warnings in March and April, a reduction of 25% compared to the same time period in 2019. This can be attributed to a reduction of incoming MSI during that period.

NAVAREA XII:

Digby Island NAVTEX station in Canada was off air for a total of 1006 hours between 12 March and 23 April 2019. A software glitch caused broadcast queues to freeze, causing an intermittent state. There were no details provided on how many broadcasts were successful. The Amphitrite Point NAVTEX station in Canada was off air for 290 hours from 23 July to 05 August 2019. U.S. Coast Guard Communications Command (USCOMMCOM) provided 21 MSI reports regarding operational changes to U.S NAVTEX station within NAVAREA XII.

There have been no noticeable impacts to NAVAREA XII due to the COVID-19 pandemic.

Capacity Building:

Guatemala and Honduras are now providing MSI reports on a regular basis. Both nations took the IHO Capacity building course in December of 2019 in the Dominican Republic. Since this course, Guatemala and Honduras have increased the number of MSI reports provided to the NAVAREA IV coordinator. NAVAREA IV greatly appreciates their contributions and support to ensuring safe navigation.

In 2019, NAVAREA IV/XII received MSI from 25 (50%) of 50 national coordinators, a decrease from 54% in 2018. 27 of 50 (54%) national coordinators have completed the IHO MSI capacity building course.

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 “NoWarning” 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 daily at both locations to ensure full continuity of NAVAREA operations.

7. Capacity Building:

Prioritized list of Coastal states that need MSI training:

1. Aruba (Netherlands)
2. Saba (Netherlands)
3. Sint Eustatius (Netherlands)
4. Sint Maarten (Netherlands)
5. Bahamas
6. Antigua & Barbuda
7. Grenada
8. Haiti
9. Nicaragua
10. St. Lucia
11. St. Kitts & Nevis
12. St. Vincent & Grenadines
13. Costa Rica
14. Cayman Islands (UK)
15. Turks and Caicos (UK)

8. Other Activities:

Nothing to report.

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

WWNWS11, Canada - Aug 2019

IHO MSI Training Course, Indonesia – Sep 2019

Radio Technical Commission for Maritime Standards – Norfolk, VA, USA – Sep 2019

International Ice Patrol Annual Meeting – New London, CT, USA – Nov 2019

IHO MSI Training Course, Dominican Republic – Dec 2019

MACHC Meeting, Dominican Republic – Dec 2019

IMO NCSR7 Meeting, IHO Rep, London - Jan 2020

IHO WWNWS Guidance Document Review Meeting, London - Jan 2020

9. NAVAREA Website:

<https://msi.nga.mil/NavWarnings>

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

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 WWNWS11. He noted continued support from Guatemala and Honduras. He noted the continued collaboration between NAVAREA IV/XII and NAVAREA XVII/XVIII.