

MSI Self-Assessment NAVAREA IV and XII

Submitted by United States / NGA

SUMMARY

Executive Summary: Synopsis of activities within NAVAREA IV and XII since
 WWNWS 12

Action to be taken: Note report

Related documents: None

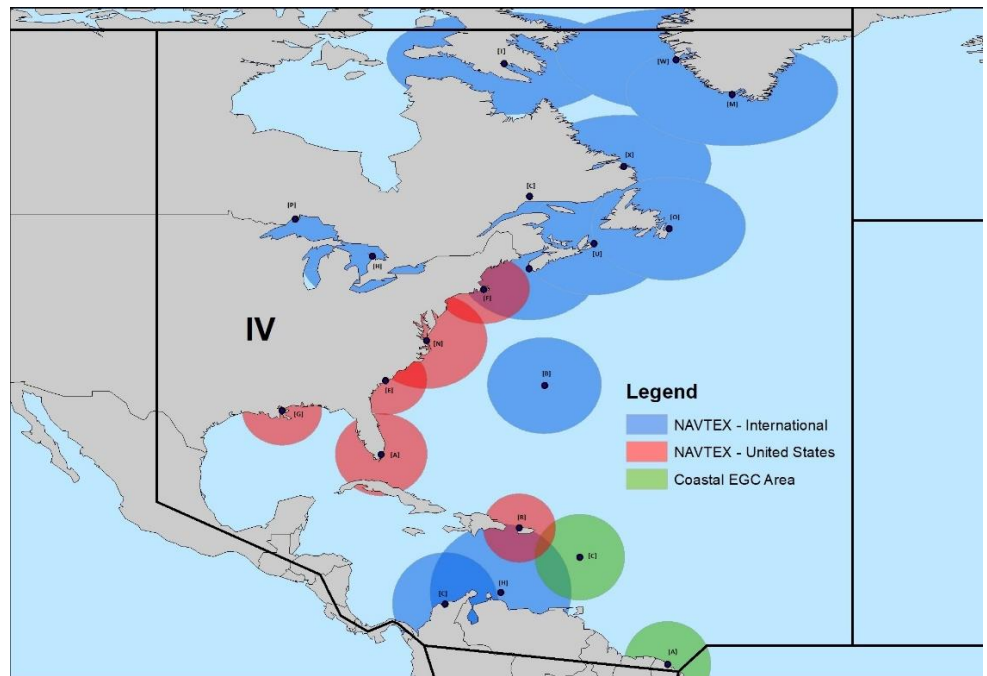
1. Background:

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

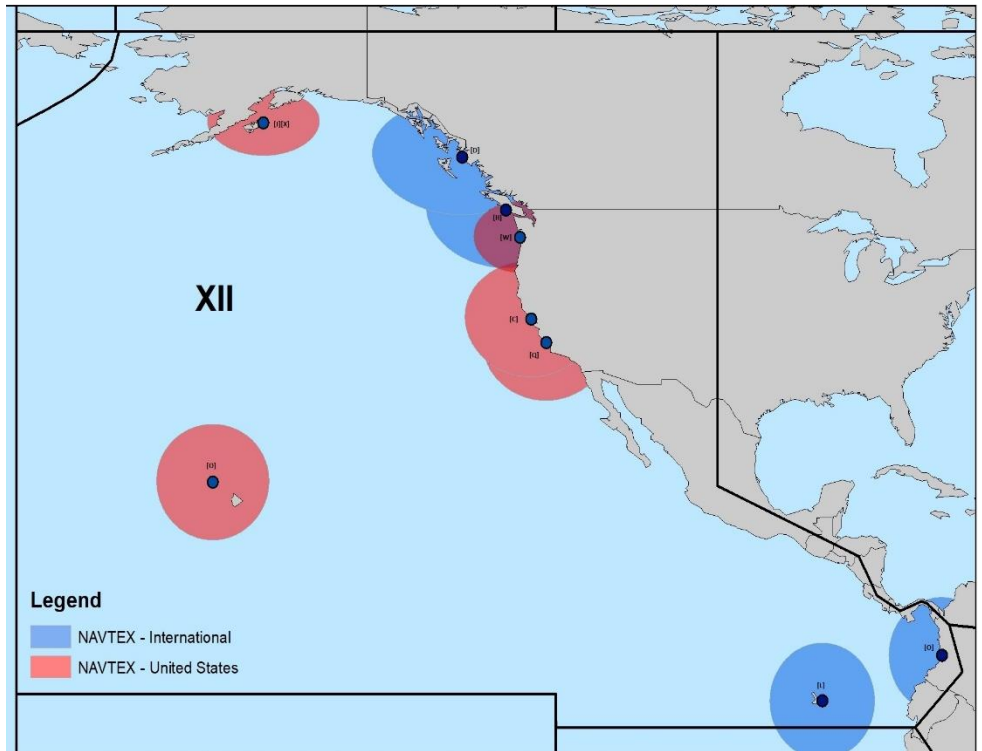


Limits of NAVAREA XII: from the coastline at 03-24S to 120-00W, then to 00-00, then to 180-00, then to 50-00N, and then following the International Date Line to 67-00N.

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	jrcchonolulu
United States		Coast Guard District 17	907 463 2000	907 463 2023	jrccjuneau@
United States		International Ice Patrol	860 271 2626	860 271 2773	iipcomms@u
Anguilla		Rawle Hazell	264 497 2651		Rawle.Hazel
Antigua & Barbuda		Darion Lake	268 462 1273/268 779 8799	268 462 2510 / 460 6024	dlake@abreg
Barbados		George Fergusson	246 434 6100		kfergusson@com
Belize		Martin Mccord	501 223 0714		mmcord@po
Bermuda		Steven Pegg	441 297 1010		sjpegg@gov
British Virgin Islands		Port Authority	284 468 2902/2903		rfrett@gov.v
Canada		MCTS Iqaluit	867-979-5724	867-979-4264	iqanordreg@
Canada		JRCC Halifax	902-427-8200	902-427-2114	jrcchalifax@
Canada		MCTS Prescott	613-925-4471	613-925-4519	
Colombia		Juan David Ortiz Buitrago	(5) 6694465 Ext. 5142- 5121		jortizbuitrago
Costa Rica		Diego Leal	506 2255 3854	(506) 2223-2697	dlealoba@m
Costa Rica		Arlang TEBYANIAN CASTRO	506 2233 5022		atebyanc@m
Cuba		Alexis Lopez Miranda	53 72090926		hg@unicom.
Curacao		Germain Felida	599 9 463 7747		gig.felida@m
Curacao		RCC Curacao	599 9 463 7700		Rcc.curacao@
Dominica		Fitzroy Pascal	1 767 449 2185	1 767 449 2020	Metoffice@c
Dominican Republic		Lopez Primitivo	809 593 5900		Primitivo.lop
Ecuador		Mario Fernando Bastidas	593 2320400		mvillagran@
El Salvador		Jesus Alfonso Diaz	503 259 35497		jesus.villalta
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@
French Guiana		Adjoint Mer Guyane (A)	594 (0)5 94 39 56 69	594 (0)5 94 39 55 85	Nauticinfo.g.fr

Greenland		Assiaat Radio	299 130 000/ 299 386 993	299 892 777	oyr@telepos
Greenland		JRCC Greenland	299 364 010/ 299 364 000		jrcc@jrcc.gl
Grenada		Sean Salhab	473 440-7678	1 868 7306454	grenport@sp
Grenada		Anthony Belmar	473 420 6376		grenport@sp
Guatemala		Hugo Estuardo Recenos Carpio	502 4497 4254	(502) 233- 44775	hidrografia@
Guyana		Troy Clark/Mikel Figueira	(592) 226 0860		sos@marad. figueria@ho
Haiti		Frenold Cheristin	509 2816 1630		frenoldcheris
Honduras		Mario Alberto Morales Caballero	504 8990 0520		malcab1430
Jamaica		Henry Tomlinson	876 379 7169, 876 967 1060	876 922 5765	htomlinson@ 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
Nicaragua		Daniel Veliz Valle	505 2222 3738		leinael.0983
Panama		Kiaranis Sanchez	507 6324 2549		kiaranis.sanc
Puerto Rico		Coast Guard San Juan	787 289 2041	787 729 6706	ssjcc@uscg.
Saint Lucia		Christopher Alexander	758 457 6152		christopher.a
St Kitts		Wayne Edmeade	1 869 466 7032 EXT 243		Maritimeaffa
St Kitts		Ludel Harvey	1 869 465 5451	1 869 466 7256	harveyllharve
St Vincent and The Grenadines		David Robin/Hyron Johnson	1 784 456 1378	1 784 451 2245	svgmarad@g
Suriname		Odinga Seedo	597 476 733 EXT 242		ossed@mas
Trinidad		Mark Fisher	1 868 625 3804 (Ext 409)	1 868 624 5884	solmso@gov

2. Comments:

GMDSS Master Plan:

No new updates to GMDSS Master plan since 30 July 2020 version. There were changes to IMO GISIS regarding NAVAREA IV/XII's status regarding the Iridium SafetyCast service.

Equipment Type	Software Version	Date of Up-date
TT-3027M (Virginia, AOR-E)	2.02 Build 006	08 FEB 21
TT-3027M (Virginia, AOR-W)	2.02 Build 006	08 FEB 21
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-3027M (Hawaii, POR)	2.02 Build 006	27 APR 21
TT-3027M (Hawaii, POR)	2.02 Build 006	27 APR 21
TT-3027M (Molesworth, IOR)	2.02 Build 006	09 SEP 20
TT-3027M (Molesworth, IOR)	2.02 Build 006	23 JUN 21

Source Received by type:

2018				2019				2020			
E-mail	Fax	Phone	Text	Email	Fax	Phone	Text	E-mail	Fax	Phone	Text
1720	0			2056	0			1981			

IHO Member States, which have not provided MSI for 2020 and 2021:

None to report.

NAVAREA Warnings Promulgated

	2018	2019	2020
NAVAREA IV	1118	1128	1255
NAVAREA XII	602	667	585

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

	2018		2019		2020	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
IV	327	15.3 Mins	364	9.0 Mins	243	10.0 Mins
XII	76	15.1 Mins	107	7.6 Mins	122	8.2 Mins

Request for In-Force Warnings:

2018		2019		2020	
Total	E-mail	Total	E-mail	Total	E-mail
880	880	2217	2217	1454	1454

Note:

2018 – 1648 requests for NAVAREA IV and 569 for NAVAREA XII

2019 – 1307 requests for NAVAREA IV and 411 for NAVAREA XII

2020 – 1219 requests for NAVAREA IV and 235 for NAVAREA XII

For the first time in three years the number of In-Force requests did not exceed the total number of NAVAREA warnings.

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

NAVAREA IV/XII achieved a significant milestone implementing Iridium SafetyCast this past year. After training and testing NAVAREA IV/XII commenced an “under trial status on 14 DEC 2020. After a successful trial period, NAVAREA IV/XII commenced its “operational” status on 24 MAR 2021. We are broadcasting Iridium SafetyCast coastal warnings on behalf of NAVAREA IV coastal areas A and C, French Antilles and French Guyana.

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. International Enhanced Group Call Service
 - 1. French West Indies [C] (Telephone: 596 (0)5 96 39 50 59) – Iridium SafetyCast Service via NAVAREA IV
 - 2. French Guiana [A] (Telephone: 594 (0)5 94 39 56 69) – Iridium SafetyCast Service via NAVAREA IV

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 2 International Enhanced Group Call Service stations.

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

4. Operational Issues:

NAVAREA IV and XII:

U.S. Coast Guard Communications Command (USCOMMCOM) provided 259 MSI reports regarding changes to U.S. NAVTEX and Remote Communication Facilities operational status within NAVAREA IV and NAVAREA XII. These include both scheduled outages, unscheduled outages, and notices to cancel

navigational warnings. The Amphitrite Point NAVTEX station in Canada was off air for 679 hours from 09 October to 09 November 2020 due to the relocation of transmission facilities.

NAVAREA IV and XII were impacted by the COVID-19 pandemic in the spring and summer of 2020. In the fall and winter of 2020 NAVAREA IV and XII experienced an increase of MSI and that has continued into 2021. NAVAREA IV and XII are currently on track to promulgate a similar amount of Navigational Warnings in line with a pre-pandemic year.

Capacity Building:

The Dominican Republic and Panama have provided MSI reports to NAVAREA IV/XII on a regular basis in the past. However, in 2021 both Nations doubled their reports to the NAVAREA coordinator. The Dominican Republic hosted the IHO Capacity building course in December of 2019 and Panama last took the course in 2016. NAVAREA IV and XII greatly appreciates the Dominican Republic and Panama’s contributions and their support to ensuring safe navigation.

In 2020, NAVAREA IV received MSI reports from 57% of national coordinators. NAVAREA XII received MSI reports from 38.8% of national coordinators. This constitutes 6% decrease in national coordinators sending MSI reports to either NAVAREA IV or XII. 31 of 42 (74%) national coordinators within NAVAREA IV have completed the IHO MSI capacity building course. 6 of 18 (33%) of national coordinators within NAVAREA XII have completed the IHO MSI capacity building course. Of the 37 national coordinators that have received MSI training only 22 have received training within the last 5 years.

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 <https://msi.nga.mil/NavWarnings>) 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. Quick links to In-Force Navigational Warnings are issued daily including weekends and holidays.

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

8. Other Activities:

NAVAREA IV/XII have spent time upgrading the materials for the MSI course. These revamped materials were taught to NAVAREA IV/XII watch standers, over a virtual platform, to give them an added appreciation for the global MSI community. NAVAREA IV/XII is looking to offer virtual refresher training to students who have taken the MSI course to reinforce not just the skills learned in an in person class but the relationships gained from these in person courses as well.

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

WWNWS12, Virtual Teleconference - Aug 2020
MACHC 21, Virtual Teleconference – Dec 2020
IMO NCSR 8, IHO Rep, US Delegation, Virtual Teleconference - April 2021
IMO MSC 103, IHO Rep, Virtual Teleconference – May 2021
IHO IRCC 13, Virtual Teleconference - June 2021
IHO WWNWS Guidance Document Review Meeting, Virtual Teleconference - April 2020
International Ice Patrol Annual Meeting – Virtual Teleconference – Nov 2019
Radio Technical Commission for Maritime Standards – Virtual Teleconference – Sep 2019
S-124 Project Team 2 – Virtual Teleconference – June 2021
EGC – API Correspondence Group Virtual Meetings – 2020-2021

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. Christopher Janus

ATTN: N65-SH

7500 GEOINT Drive

Springfield, Virginia 22150-7500

Tel: +1 571 557 5455 (24x7)

Fax: +1 571 558 3426

E-mail: Christopher.G.Janus@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 WWNWS12. He noted continued support from the Dominican Republic and Panama. He noted the achievement of “operational” status in the Iridium SafetyCast service.