

MSI Assessment for NAVAREA IV/XII

Reporting period from 1st Jan 2023 to 31th December 2023

Submitted by United States/NGA

SUMMARY

Executive Summary: The NAVAREA IV and XII Deputy Coordinator provided a report on NAVAREA activities in the reporting period since WWNWS15. He highlighted the challenges regarding NAVTEX equipment within the NAVAREA, updates on Space Activity effecting shipping, and the latest developments of the Maritime Safety Information Working Group within the MACHC.

Action to be taken: For the subcommittee to please note the report.

Related documents: WWNWS16-SA-AnnexA-IV, WWNWS16-SA-AnnexB-XII

1. General information:

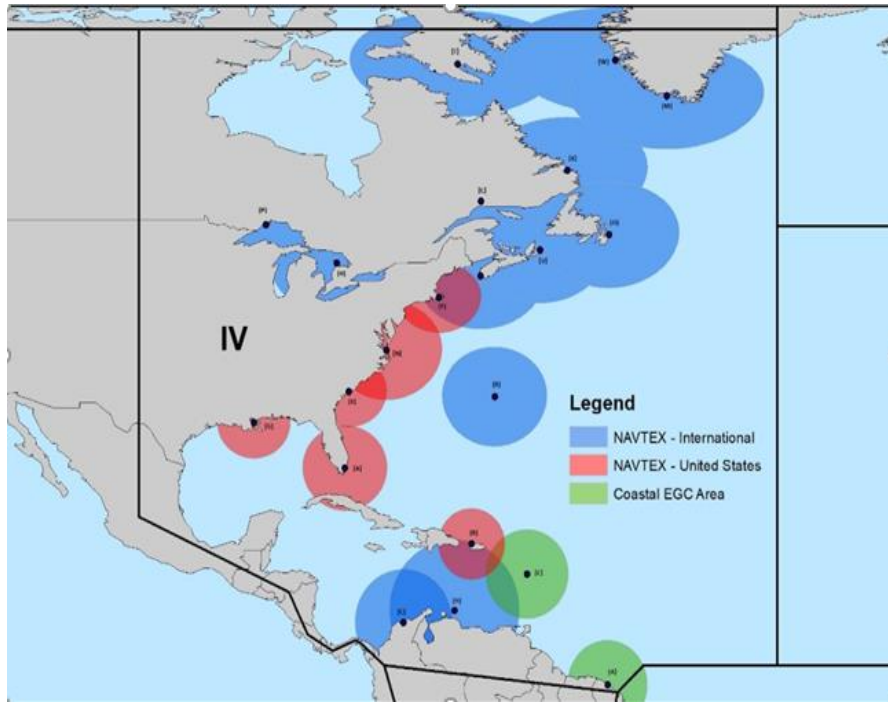
1.1. Geographic Boundaries of the NAVAREA including boundaries for any coastal warning Areas and NAVTEX Stations:

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 Inmarsat EGC Satellite used for broadcast: AOR-E

Broadcast Times: 1000 UTC and 2200 UTC daily

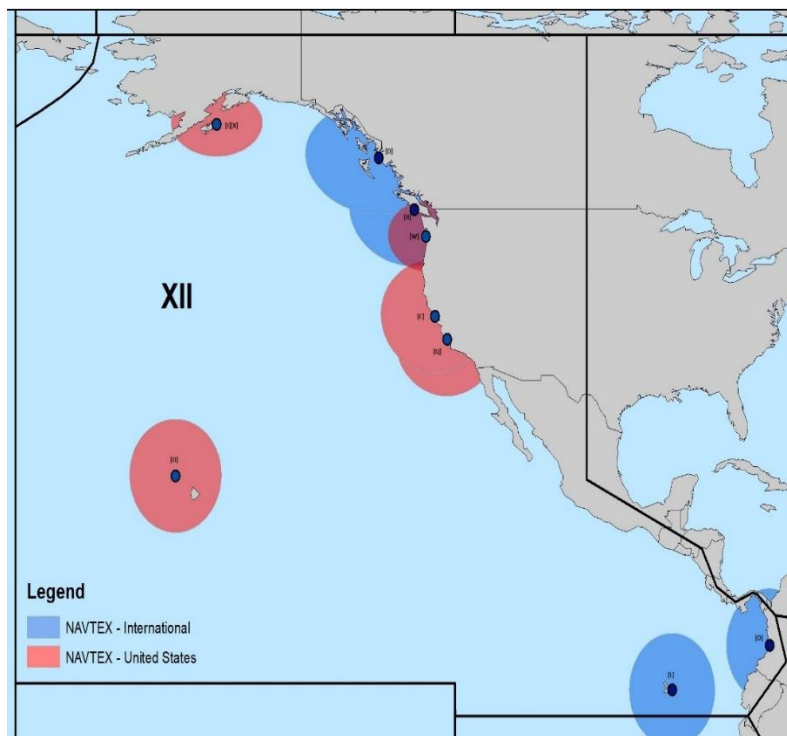


Limits of NAVAREA XII

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 Inmarsat EGC satellites used for broadcast: AOR-W, POR

Broadcast Times: 1030 UTC and 2230 UTC daily



1.2. Operational Points of Contact for National Co-ordinators within NAVAREA IV/XII.
Changes since WWNWS15 are listed in bold text.

COUNTRY	INSTITUTION/ NAME	TELEPHONE	FACSIMILE	EMAIL
Anguilla	Julian Hughes Sharmer Flemming	+1 264 497 5392 +1 264 497 2651		Julian.Hughes@gov.ai Sharmer.Fleming@gov.ai
Antigua & Barbuda	Darion Lake	+1 268 462 1273	+1 268 462 4358	dlake@abregistry.ag
Aruba	Dutch Caribbean Coast Guard	+59 99 463 7738		N.silvacostada@midef.nl
Bahamas	Berne Wright	+1 242 362 3814		bernewright@bahamas.gov.bs
Barbados	George Fergusson	+246 434 6100		kfergusson@barbadosport.com
Belize	Michael Jenkins Zachary Young	+501 222 5666		mjenkins@portauthority.bz zyoung@portauthority.bz
Bermuda	Steven Pegg	+471 297 1010		sjpgegg@gov.bm
Bonaire	Dutch Caribbean Coast Guard			N.silvacostada@midef.nl
British Virgin Islands	Nitin Satpute	+1 284 393 0000		vishipping@bvimaritime.vg
Canada	NAVAREA XVII/XVIII Coordinator	+1 343-548- 1868		valerie.marquette@dfo-mpo.ca
Canada	MCTS Iqaluit	+1 867 979 5724	+1 867 979 4264	iqanordreg@innav.gc.ca
Canada	JRCC Halifax	+1 902 427 8200	+1 902 427 2114	jrcchalifax@sarnet.dnd.ca
Canada	MCTS Prescott	+1 613 925 0666	+1 613 925 4519	navarea17.18@innav.gc.ca
Cayman Islands	Darren Kelly	+345 244 6608		Darren.kelly@gov.ky
Colombia	Jairo Hoyos	+57 314 2300 342		nautica@dimar.mil.com
Costa Rica	Nelson Soto Corrales/ Carol Villalta Fernandez	2523-2346/ +506 8892 0679		nelson.soto@mopt.go.cr/carol.vi llalta@mopt.go.cr
Cuba	Hydrography and Geodetic National Office of Cuba	+53 7209 0926		hg@unicom.co.cu
Curacao	Dutch Caribbean Coast Guard	+599 463 7738		N.silvacostada@midef.nl
Dominica	Ithoma James	+1 767 618 3247 +1 767 266 4440		metoffice@cwdom.dm
Dominican Republic	Primitivo Lopez	+809 602 6525		avisosnauticosshard@academian aval.edu.do
Ecuador	Instituto Oceanografico y Antartico de la armada			inocar@inocar.mil.ec
El Salvador	Jesus Alfonso Villalta Diaz	+503 2593 5497		jesus.villalta@cnr.gob.sv

French Antilles Coastal Area (C)	JOC FAA	+596 596 39 57 20		Faa-centops-permanence@def.gouv.fr
French Guiana Coastal Area (A)		+594 (0)5 94 39 56 69	+594 (0)5 94 39 55 85	Nauticinfo.guyane@netfag.fr
Greenland	Aasiaat Radio	+299 130 000/ +299 389 545		oyr@tusass.gl
Greenland	JRCC Greenland	+299 364 010/ +299 364 000		jrcc@jrcc.gl
Grenada	Ian Noel/ Franklyn Redhead	+1 473 4403013 +1 473 4407678	+1 473 4403013 +1 473 4407678	grenport@spiceisle.com
Guatemala	LTJG Diego Fernando Méndez Porta	+502 54665279	+502 44974254	hidrografia@dgam.gob.gt
Guadeloupe	CDR Guillaume de Cacqueray-Valmenier	+596 (0)5 96 39 57 20		guillaume.de_cacqueray@intradef.gouv.fr
Guyana	Troy Clarke/ Darrell Fraser	+592 653 2129 +592 226 0860		tclarke@marad.gov.gy surveys@marad.gov.gy
Haiti	Frenold Cheristin	+509 2816 1630		frenoldcheristin@gmail.com
Honduras	Javier Nectaly Diaz	+504 9888 9840		Javierd_hn@yahoo.com ndiaz@enp.hn
Jamaica		+876 379 7169	+876 922 5765	jtoppin@mowt.gov.tt ;
Martinique	CDR Guillaume de Cacqueray-Valmenier	+596 (0)5 96 39 57 20		guillaume.de_cacqueray@intradef.gouv.fr
Mexico	Francisco Javier Ramirez Sario	+1 55 56246500 EXT: 7230	+1 562 46500	digaohm.navegacion@semar.gob.mx
Montserrat	George Green Dillon Weekes	+1 664 491 2791		Marine.department@mpa.ms
Nicaragua				
Panama	Jonathan Guerini	+507 501 5151		jguerini@amp.gob.pa
Puerto Rico	US Coast Guard Sector San Juan	+787 729 6800		ssjcc@uscg.mil
Saint Lucia	Christopher Alexander	+758 457 6152		Christopher.alexander@slaspa.com
Saba	Dutch Caribbean Coast Guard	+599 463 7738		N.silvacostada@midef.nl
Sint Maarten	Dutch Caribbean Coast Guard	+599 463 7738		N.silvacostada@midef.nl
St. Eustatius	Dutch Caribbean Coast Guard	+599 463 7738		N.silvacostada@midef.nl
St. Kitts & Nevis	Wayne Edmeade	+1869 467 1848		wayne.edmeade@gov.kn maritimeaffairsskn@gov.kn

Saint-Barthelemy	CDR Guillaume de Cacqueray-Valmenier	+596 (0)5 96 39 57 20		guillaume.de_cacqueray@intradef.gouv.fr
Saint-Martin	CDR Guillaume de Cacqueray-Valmenier	+596 (0)5 96 39 57 20		guillaume.de_cacqueray@intradef.gouv.fr
St. Vincent and the Grenadines	SVG Maritime Administration	+1 784 456 1378	+1 784 451 2445	marad@gov.vc
Suriname	Christy Warmoen Bernice Mahabier	+597 476733 ext 223 +597 472940	+597 47940	cwarmoen@mas.sr bmahabier@mas.sr
Turks and Caicos	Trevor Williams	+1 649 338 4179		twilliams@gov.tc
Trinidad and Tobago	Ralph Boland			solmsd@gov.tt ; jtoppin@mowt.gov.tt
United States	US Coast Guard Communication Command	+1 757 421 6240		
United States	US Coast Guard District 1	+1 617 223 8555	+617 223 8117	d01-smb- d1cmdcenter@uscg.mil
United States	US Coast Guard District 5	+1 757 398 6231	+757 398 6392	d05-smb-d5cg@uscg.mil
United States	US Coast Guard District 7	+1 305 415 6800	+305 415 6809	d07-smbcmdcenter@uscg.mil
United States	US Coast Guard District 8	+1 504 589 6225	+504 589 2148	d08- comandcenter@uscg.mil
United States	US Coast Guard District 11	+1 510 437 3701	+510 437 3017	F
United States	US Coast Guard District 13	+1 206 220 7001	+206 220 7009	D13cc@uscg.mil
United States	US Coast Guard District 14	+1 808 535 3333	+808 535 3338	jrcchonolulu@uscg.mil
United States	US Coast Guard District 17	+1 907 463 2000	+907 463 2023	jrccjuneau@uscg.mil
United States	US Coast Guard Headquarters	+1 202 475 3537		Patrick.J.Gallagher@uscg.mil
United States	International Ice Patrol	+1 860 271 2626	+860 271 2773	iipcomms@uscg.mil
Venezuela	Serviceo De Hidrografia oceanografia meteorologia y cartografiado nautico		+212 353 16 41	Serviciohidrografico@gmail.com

1.3. GMDSS Master Plan:

In this reporting period NAVAREA IV and XII added its SafetyCast scheduled broadcast times to the GMDSS Master Plan module of GISIS. The NAVTEX Station in Ecuador remains temporarily suspended.

2. NAVAREA EGC broadcast and monitoring equipment or software:

Broadcast Equipment/Software	Broadcast schedule/satellite	Manufacturer
<i>SafetyNET II</i>	<i>1000 and 2200 (IV) 1030 and 2230 (XII)</i>	<i>Inmarsat</i>
<i>Iridium SafetyCast</i>	<i>1000 and 2200 (IV) 1030 and 2230 (XII)</i>	<i>Iridium</i>
Monitoring Equipment/Software	Broadcast schedule/Satellite	Manufacturer/Location (LES)/Implementation
<i>TT-3027M (Virginia) EasyMail 2.02 Build 006</i>	<i>1000 and 2200, AOR-E NAVAREA IV</i>	<i>COBHAM SAILOR 6120/ SafetyNET II</i>
<i>TT-3027M (Virginia) EasyMail 2.02 Build 006</i>	<i>1030 and 2230, AOR-W NAVAREA XII</i>	<i>COBHAM SAILOR 6120/ SafetyNET II</i>
<i>TT-3027M (Missouri) EasyMail 2.02 Build 006</i>	<i>1000 and 2200, AOR-E NAVAREA IV</i>	<i>COBHAM SAILOR 6120/ SafetyNET II</i>
<i>TT-3027M (Missouri) EasyMail 2.02 Build 006</i>	<i>1030 and 2230, AOR-W NAVAREA XII</i>	<i>COBHAM SAILOR 6120/ SafetyNET II</i>
<i>TT-3027M (Hawaii) EasyMail 2.02 Build 006</i>	<i>1030 and 2230, POR NAVAREA XII</i>	<i>COBHAM SAILOR 6120/ SafetyNET II</i>
<i>TT-3027M (Hawaii) EasyMail 2.02 Build 006</i>	<i>1030 and 2230, POR NAVAREA XII</i>	<i>COBHAM SAILOR 6120/ SafetyNET II</i>
<i>TT-3027M (Molesworth) EasyMail 2.02 Build 006</i>	<i>1000 and 2200, IOR NAVAREA IV</i>	<i>COBHAM SAILOR 6120/ SafetyNET II</i>
<i>TT-3027M (Molesworth) EasyMail 2.02 Build 006</i>	<i>1000 and 2200, IOR NAVAREA IV</i>	<i>COBHAM SAILOR 6120/ SafetyNET II</i>
<i>LT-3100</i>		<i>Lars Thrane</i>
<i>SafetyNET II web interface</i>		<i>Inmarsat</i>
<i>Iridium SafetyCast web interface</i>		<i>Iridium</i>

2.1. Details of EGC services:

NAVAREA IV/XII promulgates all navigational warnings on all IMO Recognized Mobile Satellite Service Providers (RMSS). NAVAREA IV warnings are promulgated through Inmarsat primarily over the AOR-E satellite at 1000 and 2200

UTC daily. NAVAREA XII are promulgated through Inmarsat primarily over the AOR-W and POR satellites at 1030 and 2230 UTC daily. All NAVAREA IV and XII warnings are promulgated on Iridium SafetyCast as soon as possible.

NAVAREA IV and XII are both fully operational within the Iridium SafetyCast service.

2.2. NAVTEX:

NAVAREA IV

B₁ 518 kHz	B₁ 490 kHz	NAVTEX Station	Email	Telephone	Status
F		<i>Boston, Massachusetts*</i>		+1 757 421 6240	<i>Operational</i>
N		<i>Portsmouth, Virginia*</i>		+1 757 421 6240	<i>Operational</i>
E		<i>Charleston, South Carolina*</i>		+1 757 421 6240	<i>Operational</i>
A		<i>Miami, Florida*</i>		+1 757 421 6240	<i>Operational</i>
G		<i>New Orleans, Louisiana*</i>		+1 757 421 6240	<i>Operational</i>
R		<i>Isabella, Puerto Rico*</i>		+1 787 289 2041	<i>Operational</i>
T	S	<i>Iqaluit, Canada</i>	iqanordreg@innav.gc.ca	+1 897 979 5724	<i>Operational</i>
X		<i>Cartwright, Canada*</i>	Safety.Labrador@innav.gc.ca	+1 709 896 2252	<i>Operational</i>
O		<i>Robin Hood Bay, Canada*</i>	Safety.Placentia@innav.gc.ca	+1 709 227 2182	<i>Operational</i>
C	D	<i>Moise, Canada*</i>	Safety.Escoumins@innav.gc.ca	+1 418 233 2124	<i>Operational</i>
Q	J	<i>Port Caledonia, Canada*</i>	Safety.Sydney@innav.gc.ca	+1 902 564 7751	<i>Operational</i>
U	V	<i>Chebogue, Canada*</i>	Supervisor.mcts-halifax@dfo-mpo.gc.ca	+1 902 426 9750	<i>Operational</i>
H		<i>Ferndale, Canada</i>	Safety.Prescott@innav.gc.ca	+1 613 925 4471	<i>Operational</i>
P		<i>Pass Lake, Canada</i>	Safety.Sarnia@innav.gc.ca	+1 519 337 6221	<i>Operational</i>
T	S	<i>Iqaluit, Canada</i>	iqanordreg@innav.gc.ca	+1 867 979 5724	<i>Operational</i>
W		<i>Kook Islands, Greenland</i>	jrcc@jrcc.gl	+299 691 911	<i>Operational</i>
M		<i>Simiutaaq, Greenland*</i>	jrcc@jrcc.gl		<i>Operational</i>
C	K	<i>Santa Marta, Colombia</i>	navtex@dimar.mil.co	+5 66 94 465	<i>Operational</i>
H		<i>Curacao, Netherlands</i>	N.silvacostada@midef.nl	+599 463 7738	<i>Operational</i>
B		<i>Bermuda, United Kingdom</i>	sjpegg@gov.bm	+441 29 1010	<i>Operational</i>

*The following NAVTEX Stations are operated remotely:

- United States Stations [F,N,E,A,G,R] are controlled by USCG COMMCOM.
- Cartwright [X] is controlled by Labrador MCTS.
- Robin Hood Bay [O] is controlled by Placentia MCTS.
- Moisie [C, D] is controlled by Les Escoumins MCTS.
- Port Caledonia [Q, J] is controlled by Sydney MCTS.
- Chebogue [U, V] is controlled by Halifax MCTS.
- Ferndale [H] is controlled by Prescott MCTS

- Pass Lake [P] is controlled by Sarnia MCTS
- Simiutaq [M] is controlled by JRCC Greenland.
- Iqaluit [T, S] is controlled by Iqaluit MCTS

NAVAREA XII

B ₁ 518 kHz	B ₁ 490 kHz	NAVTEX Station	Email	Telephone	Status
J/X		<i>Kodiak, Alaska*</i>		+1 757 421 6240	<i>Operational</i>
W		<i>Astoria, Oregon*</i>		+1 757 421 6240	<i>Operational</i>
C		<i>San Francisco, California</i>		+1 757 421 6240	<i>Operational</i>
Q		<i>Cambria, California</i>		+1 757 421 6240	<i>Operational</i>
O		<i>Honolulu, Hawaii*</i>		+1 757 421 6240	<i>Operational</i>
D		<i>Digby Island, Canada*</i>	supervisor.rupert@innav.gc.ca	+1 250 627 3070	<i>Operational</i>
H		<i>Amphritrite Point, Canada*</i>	supervisor.rupert@innav.gc.ca	+1 250 627 3070	<i>Operational</i>
O	C	<i>Buenaventura, Colombia</i>	<i>navtex@dimar.mil.co</i>	+1 709 772 2182	<i>Operational</i>
L	A	<i>Ayora, Ecuador</i>			<i>Temporarily Suspended</i>

*The following NAVTEX Stations are operated remotely:

- United States Stations [J, W, Q, O] are controlled by USCG COMMCOM.
- Canadian Stations [D, H] are controlled by Prince Rupert MCTS

2.3. Other methods of promulgation:

The Guam NAVTEX station, located within NAVAREA XI, is out of service until further notice. During this outage Guam has been promulgating warnings over 4209.55 kHz.

Additionally, there are two coastal EGC warning areas located in NAVAREA IV which are operated by France. Coastal Area A covers the area around French Guyana and area C covers the area in the vicinity of the French Antilles.

In addition to HF NBDP in Iqaluit, Canada also provides local and coastal warnings over VHF, MF and HF radiotelephony from all coastal MCTS Centres.

3. NAVAREA Metrics

3.1. Coastal Warnings issued by International NAVTEX or EGC coastal warning area:

Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC (only for EGC)	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
<i>United States</i>	<i>Boston</i>	<i>F</i>	-				
<i>United States</i>	<i>Portsmouth</i>	<i>N</i>					
<i>United States</i>	<i>Charleston</i>	<i>E</i>					

<i>United States</i>	<i>Miami</i>	<i>A</i>					
<i>United States</i>	<i>New Orleans</i>	<i>G</i>					
<i>United States</i>	<i>Isabella</i>	<i>R</i>					
<i>United States</i>	<i>Kodiak</i>	<i>J</i>					
<i>United States</i>	<i>Astoria</i>	<i>W</i>					
<i>United States</i>	<i>Point Reyes</i>	<i>C</i>					
<i>United States</i>	<i>Cambria</i>	<i>Q</i>					
<i>United States</i>	<i>Honolulu</i>	<i>O</i>					
<i>Canada</i>	<i>Iqaluit</i>	<i>T</i>					
<i>Canada</i>	<i>Cartwright</i>	<i>X</i>					
<i>Canada</i>	<i>Robin Hood Bay</i>	<i>O</i>					
<i>Canada</i>	<i>Moise</i>	<i>C</i>					
<i>Canada</i>	<i>Port Caledonia</i>	<i>Q</i>					
<i>Canada</i>	<i>Chebogue</i>	<i>U</i>					
<i>Canada</i>	<i>Ferndale</i>	<i>H</i>					
<i>Canada</i>	<i>Pass Lake</i>	<i>P</i>					
<i>Canada</i>	<i>Digby Island</i>	<i>T</i>					
<i>Canada</i>	<i>Amphritrite Point</i>	<i>X</i>					
<i>Colombia</i>	<i>Santa Marta</i>	<i>C</i>					
<i>Colombia</i>	<i>Buenaventura</i>	<i>O</i>					
<i>Netherlands</i>	<i>Curacao</i>	<i>H</i>					
<i>Ecuador</i>	<i>Ayora</i>	<i>L</i>					
<i>Greenland</i>	<i>Kook Islands</i>	<i>W</i>					
<i>Greenland</i>	<i>Simiutaq</i>	<i>M</i>					
<i>United Kingdom</i>	<i>Bermuda</i>	<i>B</i>	<i>N/A</i>	<i>40</i>	<i>0</i>	<i>Not Available</i>	<i>Not Available</i>
<i>France</i>		<i>A</i>					
<i>France</i>		<i>C</i>					

3.2. NAVAREA Warnings broadcasts:

Provider	2022			2023			2024*		
	Total number of warnings issued	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
<i>SafetyNet-IV</i>	<i>1415</i>	<i>~696,819</i>	<i>~871</i>	<i>1519</i>			<i>771</i>		
<i>SafetyCast – IV</i>	<i>1415</i>	<i>1415</i>		<i>1519</i>	<i>1519</i>		<i>771</i>	<i>771</i>	
<i>SafetyNet – XII</i>	<i>987</i>	<i>~653,568</i>	<i>~817</i>	<i>891</i>			<i>491</i>		
<i>SafetyCast -XII</i>	<i>987</i>	<i>987</i>		<i>891</i>	<i>891</i>		<i>491</i>	<i>491</i>	

*As of the 3rd of July 2024.

3.3. Urgent EGC Warnings:

NAVAREA IV has promulgated two urgent navigational warnings in 2023. All warnings concerned icebergs outside the limit of known ice. These urgent warnings self-cancelled in 72 hours in consultation with the North American Ice Service and the International Ice Patrol. The other urgent NAVAREA IV warning was in 2024 and it too concerned an iceberg outside of the known ice limits.

3.4. VITAL Coastal Warnings:

Not Applicable.

3.5. In-force warnings.

3.5.1. In-force bulletins issued:

In Force Bulletins are issued every Friday at 1000 UTC for NAVAREA IV and 1030 UTC for NAVAREA XII. The text of all In Force Navigational Warnings can be found on the NAVAREA IV/XII webpage <https://msi.nga.mil/NavWarnings>.

3.5.2. Requests for In-force warnings

2022	2023	2024
Total	Total	Total
896	365	93

NAVAREA IV/XII is pleased to see a significant decrease in the last two years of requests for In-force bulletins. This can possibly be attributed to the increase of bandwidth upon SOLAS class vessels and the near, real-time posting of navigational warnings to the NAVAREA IV/XII web page.

3.6. Arctic navigational warnings broadcast by HF NBDP.

Not Applicable.

4. Operational Issues:

4.1. NAVTEX Service

NAVAREA IV and XII continues to address issues concerning aging terrestrial communications equipment. In 2023, NAVAREA IV/XII promulgated navigational warnings concerning 89 changes to the status of NAVTEX equipment. These include both scheduled outages, unscheduled outages, and timeframes where the station was unreliable. In 2023 NAVTEX stations operated by the United States have had outages totalling approximately 12,450 hours. This is mostly attributed to awaiting replacement parts in Miami, Charleston and Point Reyes. The United States Coast Guard promulgated Coastal Navigational Warnings over HF during the outage. The

Curacao NAVTEX station regained operational status on the 28th of May 2024. NAVAREA IV is promulgating navigational warnings on their behalf as needed. NAVAREA IV/XII continues to receive MSI reports from Canada through their email subscription services and will issue NAVAREA IV/XII warnings regarding its NAVTEX service as appropriate. Canada issues their navigational warnings over HF NBDP to cover the coastal warning area in the case of a NAVTEX issue. There were no reported NAVTEX issues concerning the two stations operated by Colombia.

4.2 Meso-American and Caribbean Hydrographic MSI Working Group

The United States submitted a proposal to MACHC23 to establish a MSI Working Group. The Hydrographic Commission approved the proposal and held its first meeting prior to the Plenary Session of MACHC24. The first meeting approved a draft work plan and elected the Deputy NAVAREA IV/XII coordinator as the Working Group Chair. The Working Group conducted one VTC meeting in June of this year and discussed the work plan for the Group. Due to the challenges faced in the region the Group decided that there will be two VTC meetings per year, one focused on updates in MSI and the other focused on capacity building. A capacity building focused VTC will take place in October and the next in person meeting will be prior to the MACHC25 meeting in Panama City, Panama this December.

4.3 Space Operations

The exponential rise in the amount of commercial space activity continues to be of particular concern to NAVAREA IV/XII. NAVAREA IV/XII has received 626 pieces of source from 5 NAVAREA IV/XII based authorities concerning all aspects of space operations in 2023; this is up from 309 in 2022. NAVAREA IV/XII notes the space activity working group's positive impacts from creating a uniform way in which the WNWNS addresses space activity, and NAVAREA IV/XII believes that it is time to have another virtual meeting with all interested parties in the near future. In the past reporting period 140 NAVAREA IV warnings were issued regarding space operations this is 9.2% of all NAVAREA IV warnings. Further concerns regarding space operations are detailed within WNWNS16-3.5.6.

4.4 04 A and C Coastal Areas – Iridium Service

NAVAREA IV continues to monitor the broadcasts from France over coastal areas 04A and 04C. Coastal area 04A and 04C currently only broadcast over Inmarsat SafetyNET. NAVAREA IV currently duplicates this warning as a NAVAREA IV warning to the entire NAVAREA over all recognized mobile satellite providers, to ensure navigational warning coverage gaps within the NAVAREA do not exist. With NAVAREA II now operational with Iridium SafetyCast, NAVAREA IV/XII hopes that coastal areas 04A and 04C will begin broadcasting over all recognized mobile satellite service providers as soon as possible, so NAVAREA IV can discontinue duplication of efforts.

5. National Co-ordinator Communication:
5.1. IRCC Strategic Performance Indicator:

NAVAREA IV/XII did not receive any MSI in 2023 or 2024 from the following Coastal States and was unable to successfully communicate with them:

Bahamas
Barbados
Grenada
Nicaragua
Saint Lucia

NAVAREA IV/XII did receive successful communications or MSI from 89.5% (43/48) national coordinators.

5.2. Procedures.

NAVAREA IV/XII strives to communicate with its national coordinators on a bi-annual basis. The first attempt to contact coordinators occurs in late-June or early-July of each year prior to the meeting of the IHO WNWWS-SC. The second attempt occurs in late-October prior to the Meso American and Caribbean Sea Hydrographic Commission (MACHC) meeting in early December. National coordinators are invited via email to confirm their contact information. If that fails, the NAVAREA will contact the national coordinator via phone if a number is available.

6. Contingency Planning:

NAVAREA IV and XII have fully a redundant site with separate 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. Additionally, the NAVAREA IV/XII watch could be stood remotely in case of emergency.

7. S-124 Navigational Warnings Development:

NAVAREA IV and XII have been fully involved in the development in S-124 navigational warnings and take part in the work of the S-124 PT. Highlights since the past reporting period include the technical changes to its operational database that now links a record to both the textual S-53 navigational warning and the S-124 GML. The NAVAREA IV/XII team are reviewing those prototype S-124 warnings for compliance with the specification. The next steps will be the addition of S-100 metadata and the digital signature to create an S-100 exchange set. The intention is to create S-124 datasets for national coordinators that rely on NAVAREA IV/XII to promulgate S-53 warnings on their behalf. Lastly, NAVAREA IV/XII participated in the testing recap meetings, chaired by Canada, of the S-124 PT and it led the effort update and improve the S-124 Data Capture and Encoding Guide (DCEG). NAVAREA IV/XII will continue to be active in S-124 testing and its progression as it works through technical challenges and regulatory hurdles.

8. Capacity Building:

Prioritized list of Coastal states that need MSI training (Year of last training)

1. Bahamas (None)
2. Nicaragua (2017)
3. Barbados (2017)
4. Haiti (2016)
5. Grenada (2016)
6. Costa Rica (2019)
7. Jamaica (2016)
8. Saint Lucia (2016)
9. Saint Kitts and Nevis (2016)

9. Other Activities:

Conferences supported by NAVAREA IV and XII Representatives this past year:

WWNWS15, Monaco – Sep 2023

MACHC24, Paramaribo, Suriname – Dec 2023

IRCC 16, Galapagos, Ecuador – Jun 2024

IHO MSI Capacity Building Course – Muscat Oman – Oct 2023

IHO MSI Capacity Building Course – Istanbul, Türkiye – May 2024

IMO NCSR 11, IHO Representative, US Delegation, London, UK – Jun 2024

IHO Enhanced Group Call Coordination Panel Meetings - VTC

IHO WWNWS Document Review Working Group-Virtual Teleconference - March 2024

International Ice Patrol Annual Meeting – Suitland, MD – November 2023

Radio Technical Commission for Maritime Standards – Jacksonville, FL– June 2023

10. NAVAREA Website:

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

How often is the information on your web site updated? Since May of 2024 the NAVAREA IV/XII website has had a direct connection to the operating web application used by watch standers. This has enabled a near real time update of all navigational warnings to the website. Historical information is still available going back to 1994. Do you display the date and time of the last update on your web site? Yes.

11. NAVAREA Contact Information:

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

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12. Recommendations:

None

13. Actions requested:

Note the information provided.

14. Summary:

The NAVAREA IV and XII Deputy Coordinator provided a report on NAVAREA activities in the reporting period since WWNWS15. He highlighted the challenges regarding NAVTEX equipment within the NAVAREA, updates on Space Activity affecting shipping, and the latest developments of the Maritime Safety Information Working Group within the MACHC

Annex(es):

- A. Self-Assessment Spreadsheet – NAVAREA IV
- B. Self-Assessment Spreadsheet – NAVAREA XII