



NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
Know the Earth... Show the Way... Understand the World

IMO/IHO World-Wide Navigational Warning Service

NAVAREA IV / XII

30 November 2017





NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
Know the Earth... Show the Way... Understand the World

IMO/IHO World-Wide Navigational Warning Service (WWNWS)

- **International coordinated global service for promulgation of hazards to navigation by satellite affecting the safety of life at sea**
- **Twenty One Navigation Areas (NAVAREAs), each with a Coordinator (Eighteen) responsible for the harmonization of navigational information in their area.**

**IMO Resolution A.706(17)
MSC.1/Circ.1288/Rev.1
24 June 2013**



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WWNWS-SC



- **Established 1973**
- **Monitors and guides the WWNWS**
- **Provides guidance to IHO Member States to further evolution of WWNWS**
- **International cooperation with IMO, WMO, IMSO, IALA**
 - **Chairman represents IHO for relevant IMO Committees.**
- **Capacity Building Assistance**
 - **Rep Regional Hydrographic Commission Conferences**
 - **MSI Training**
- **Commission Membership – 40 plus IHO Member States plus IMO, WMO, IMSO and Inmarsat**

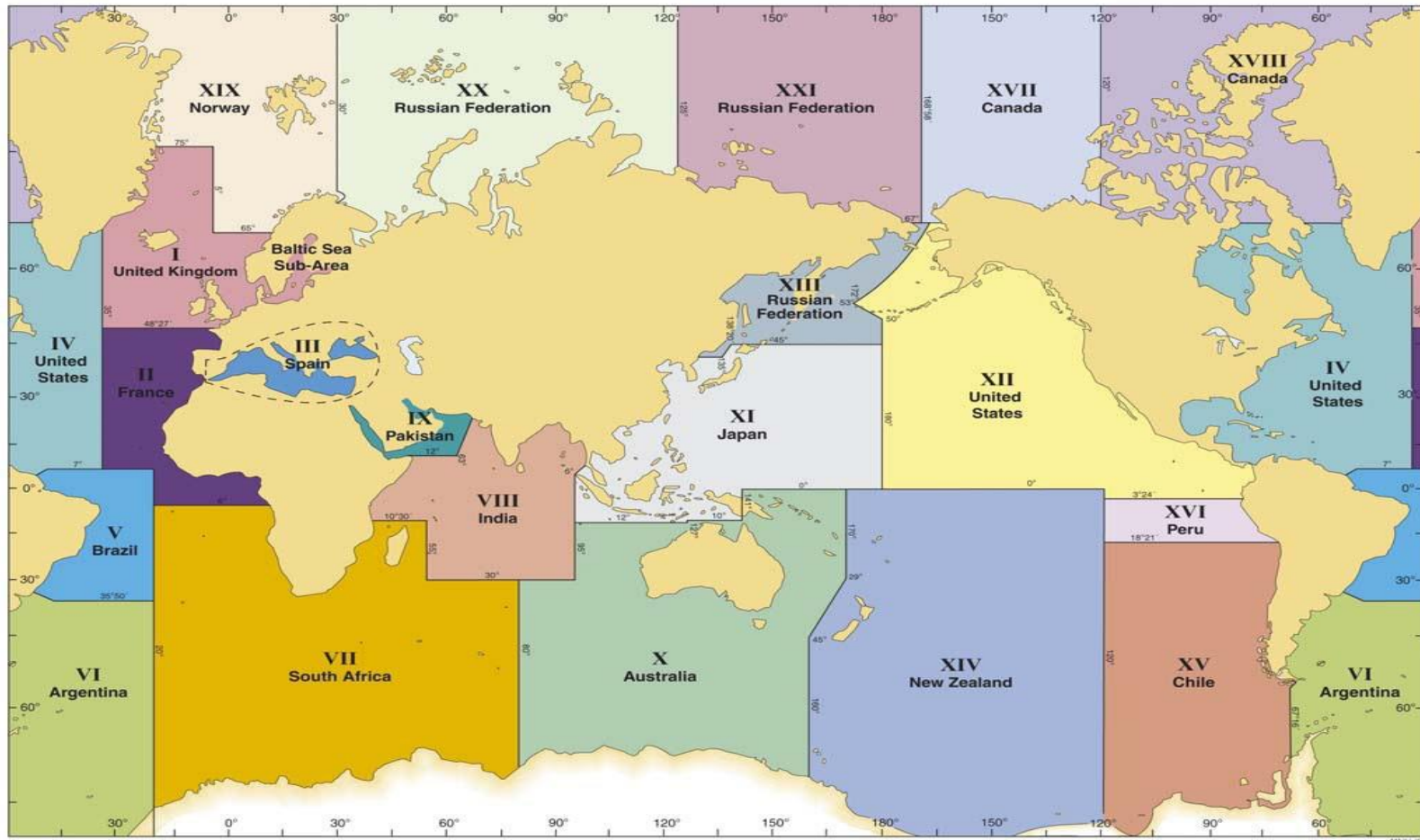


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World-Wide Navigational Warning Service



NAVAREAs





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Definitions

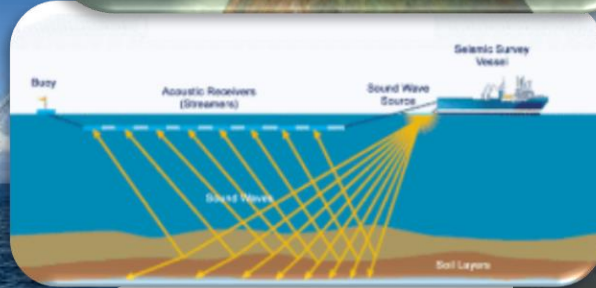
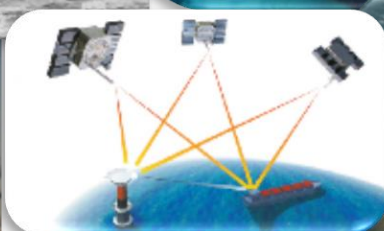
- **NAVAREA:** A geographical sea area established for the purpose of coordinating the broadcast of navigational warnings
- **NAVAREA COORDINATOR:** The authority charged with coordinating, collating and issuing navigational warnings for a designated NAVAREA
- **NATIONAL COORDINATOR:** The national authority charged with collating and issuing coastal warnings within a





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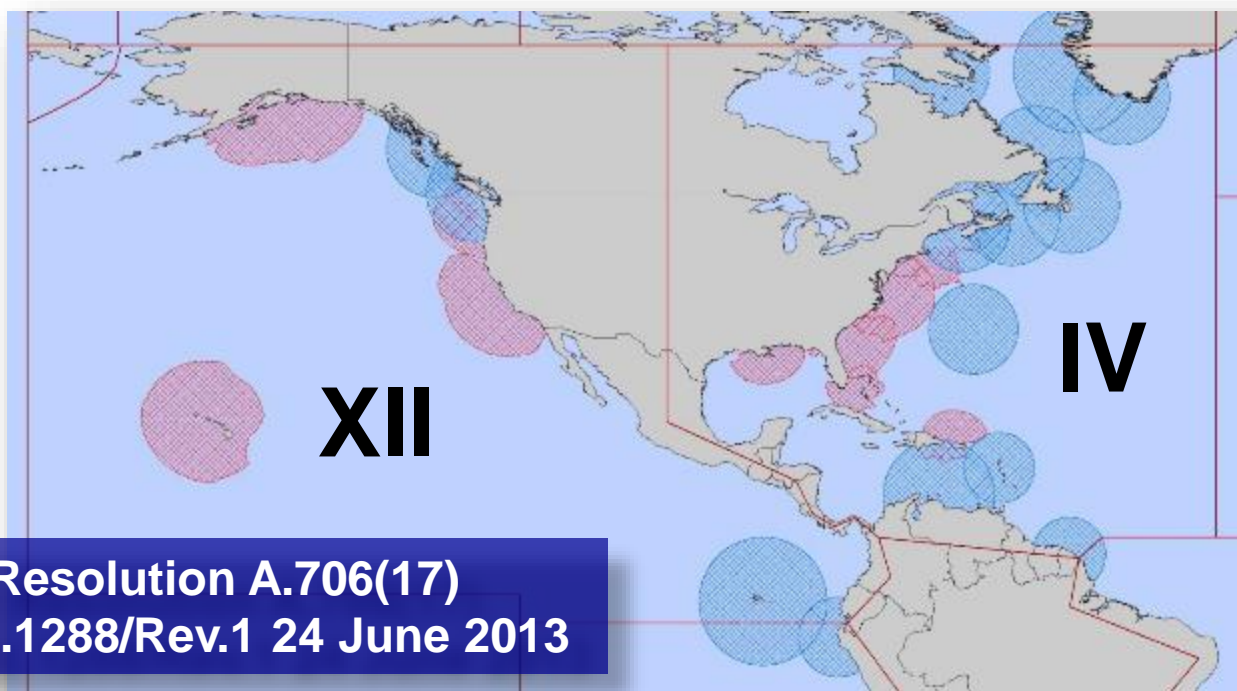
Navigational Warnings





NAVAREA IV/XII Coordinator

Endeavour to be informed of all events that could significantly affect the safety of navigation within the NAVAREA



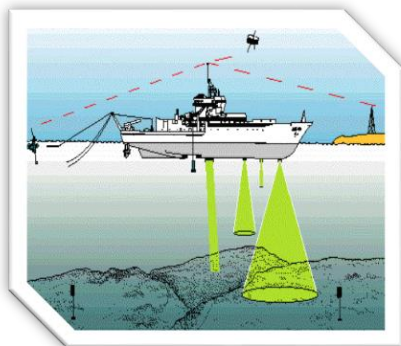
IMO Resolution A.706(17)
MSC.1/Circ.1288/Rev.1 24 June 2013



NAVAREA IV/XII Coordinator (cont.)

Assess all information immediately upon receipt in the light of expert knowledge for relevance to navigation in the NAVAREA;

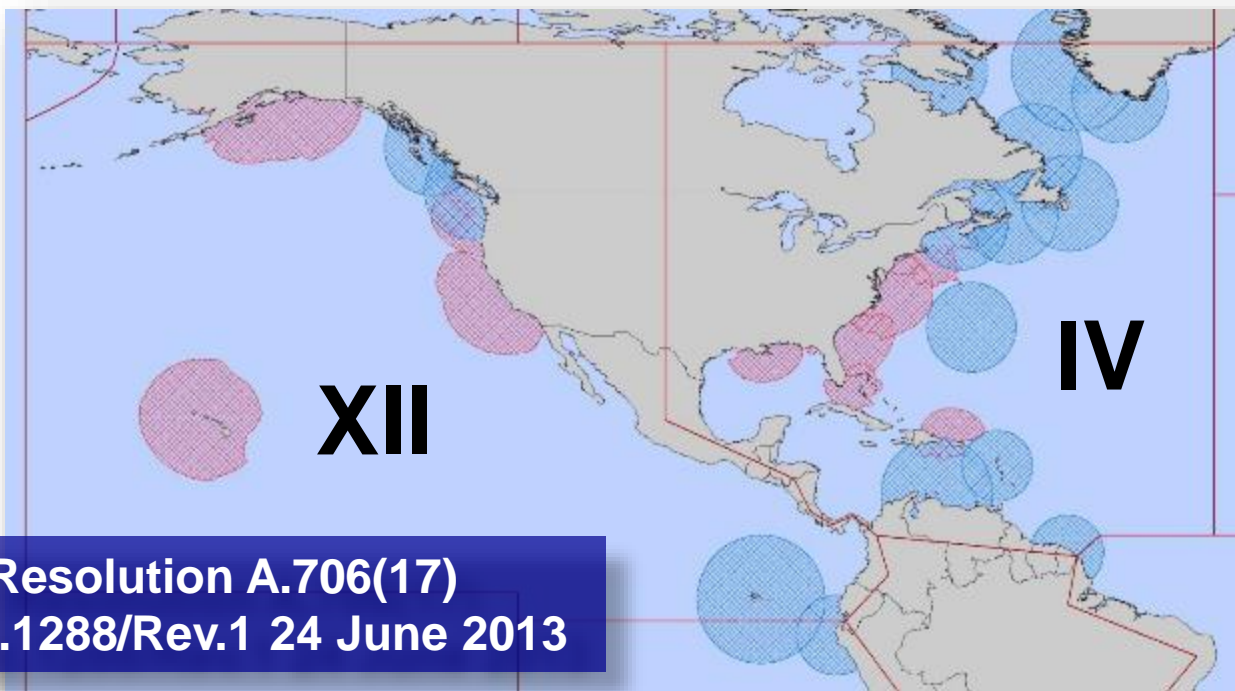
Select information for broadcast





National Coordinator

Endeavour to be informed of all events that could significantly affect the safety of navigation within your national waters



IMO Resolution A.706(17)
MSC.1/Circ.1288/Rev.1 24 June 2013



National Coordinators in the MACHC





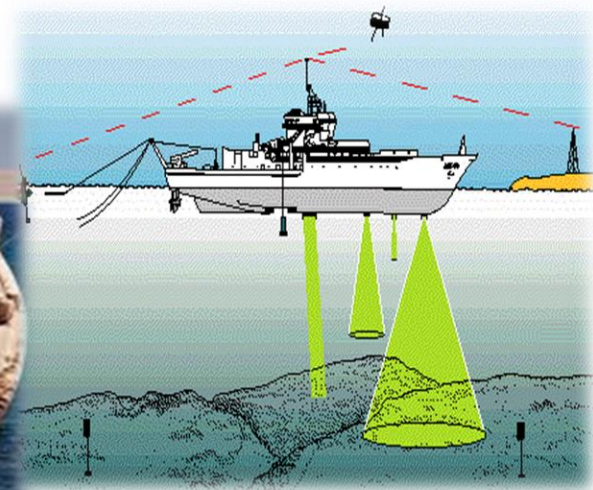
IHO Capacity Building

- The first phase of capacity building is the collection and circulation of nautical information
 - Allows for real time integration of your national maritime safety information to be part of the World-Wide Navigational Warning Service (WWNWS)
 - Understand your roles and responsibilities
 - Establish links with NAVAREA Coordinator



Maritime Safety Information Training

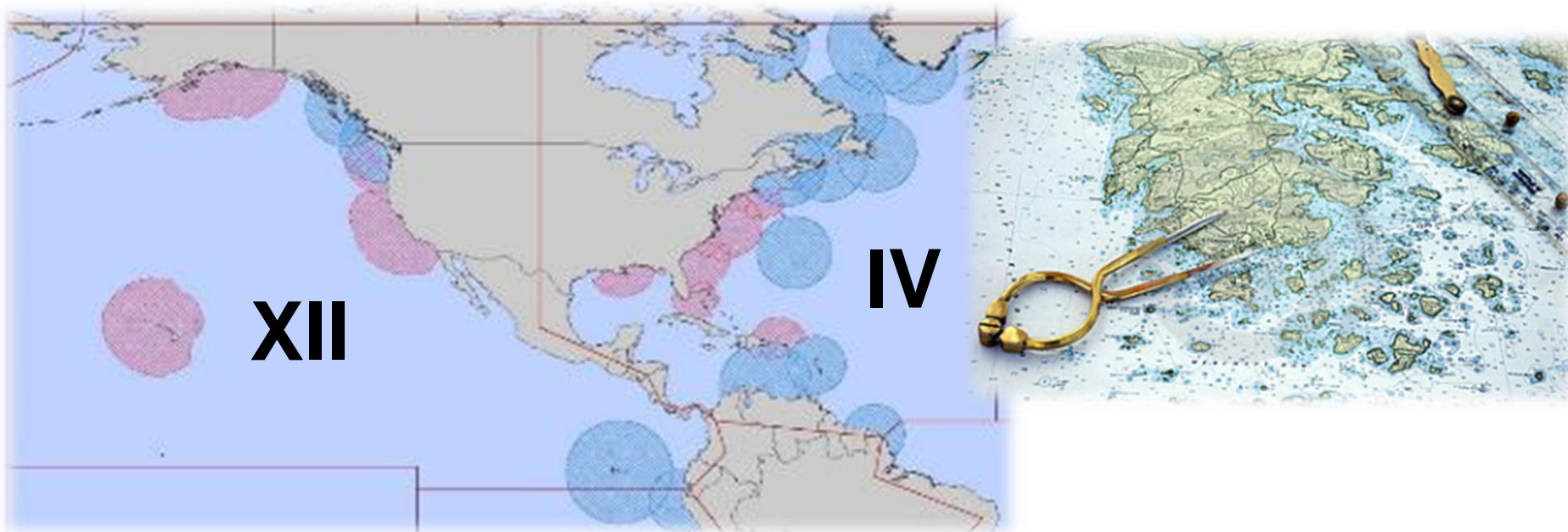
- 3 day comprehensive training course held with region
 - Led by WWNWS-SC
 - Sponsored by IHO CBC
- Endeavour to be informed of all events that could significantly affect the safety of navigation within your coastal region.





Maritime Safety Information Capacity Building Course Outcomes

- Assess all information in the light of expert knowledge for relevance to navigation in the coastal region.





Maritime Safety Information Capacity Building Course Outcomes

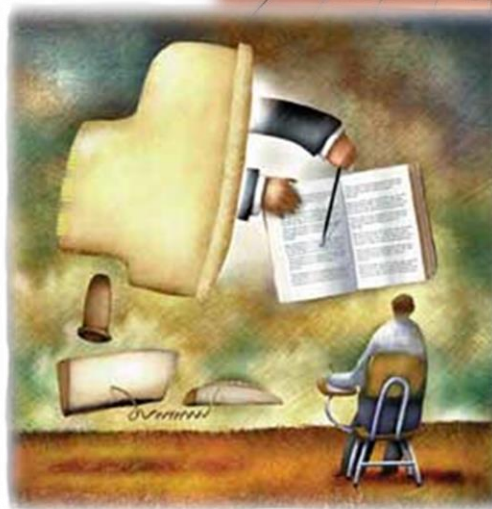
- Draft navigational warnings in accordance with the
- Joint IMO/IHO/WMO Manual on Maritime Safety Information
- Pass NAVAREA warnings for further promulgation to the NAVAREA Co-ordinator





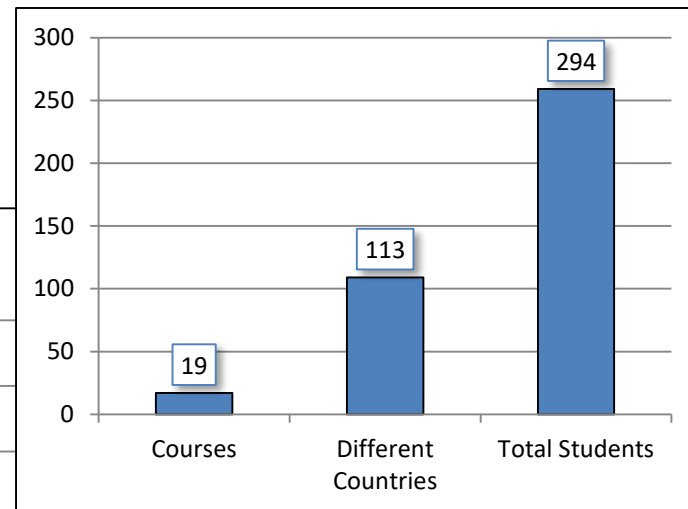
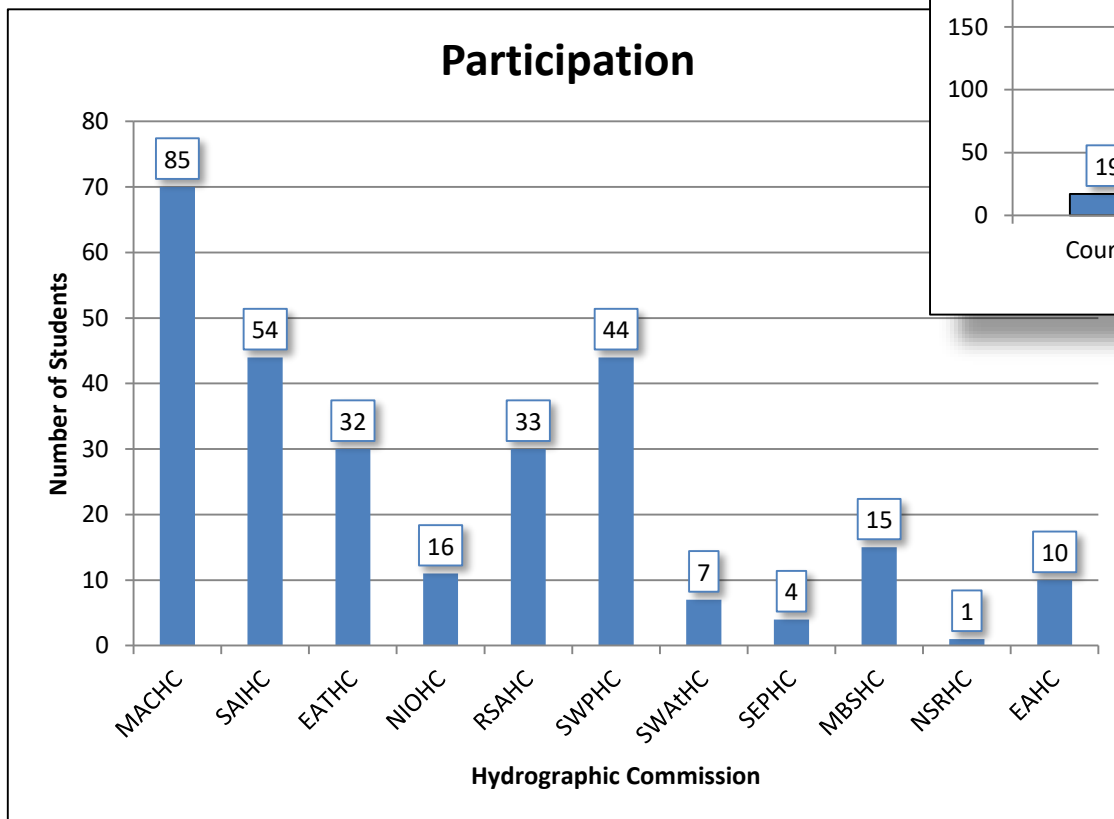
IHO MSI Training Courses (19)

- 2007 Jamaica (MACHC)
- 2007 Mozambique (SAIHC)
- 2008 Spain (MBSHC)
- 2009 Ghana (EAHC)
- 2009 Oman (NIOHC / RSAHC)
- 2010 Namibia (SAIHC)
- 2010 Australia (SWPHC)
- 2011 Brazil (SWAtHC, SEPHC & MACHC)
- 2013 Trinidad (MACHC)
- 2013 South Africa (SAIHC)
- 2014 Oman (NIOHC / RSAHC)
- 2014 New Zealand (SWPHC)
- 2014 Ivory Coast (EAHC)
- 2015 Japan (EAHC)
- 2015 Turkey (MBSHC)
- 2016 Saint Lucia (MACHC)
- 2016 New Zealand (SWPHC)
- 2017 Barbados (MACHC)
- 2017 South Africa (SAIHC)





MSI Training Course Data





MSI Training Course MACHC Data

- 85 students trained from 31 countries
- Countries in **Blue** have provided MSI for 2017

Anguilla
Antigua and Barbuda
Barbados
Belize
Bermuda
British Virgin Islands
Cayman Islands
Colombia
Costa Rica
Cuba
Curacao
Dominica
Dominican Republic
Ecuador
El Salvador
Grenada

Guatemala
Guyana
Haiti
Honduras
Jamaica
Martinique
Mexico
Montserrat
Nicaragua
Panama
Saint Kitts
Saint Lucia
Saint Vincent and the Grenadines
Suriname
Trinidad & Tobago
Turks and Caicos
French Guiana
Venezuela



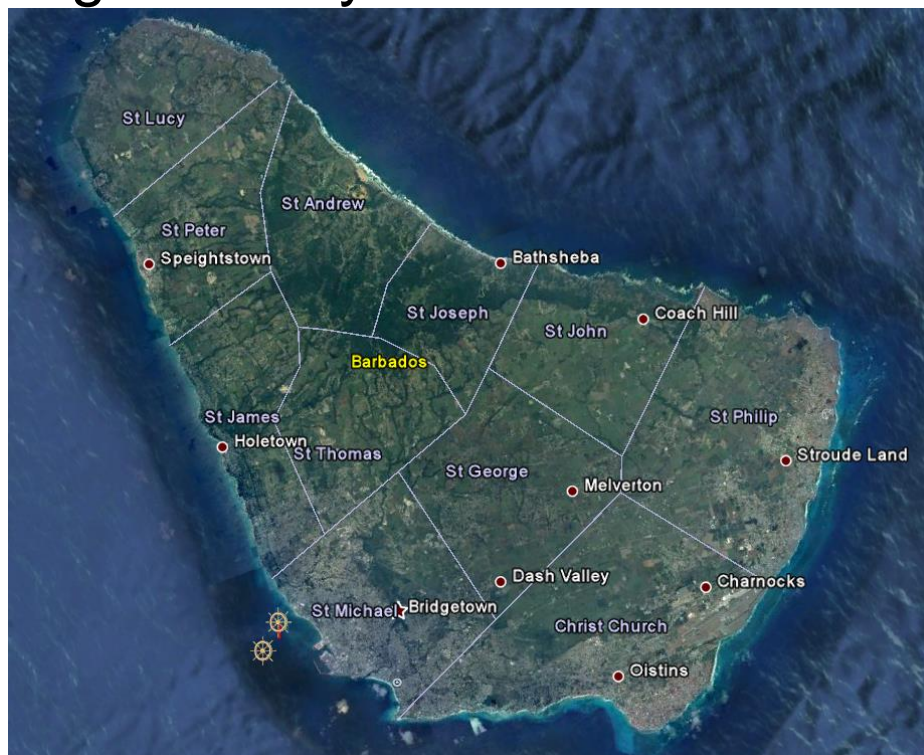
Country Information

Country specific MSI reporting in the following slides are from December 2016 to October 2017



Barbados

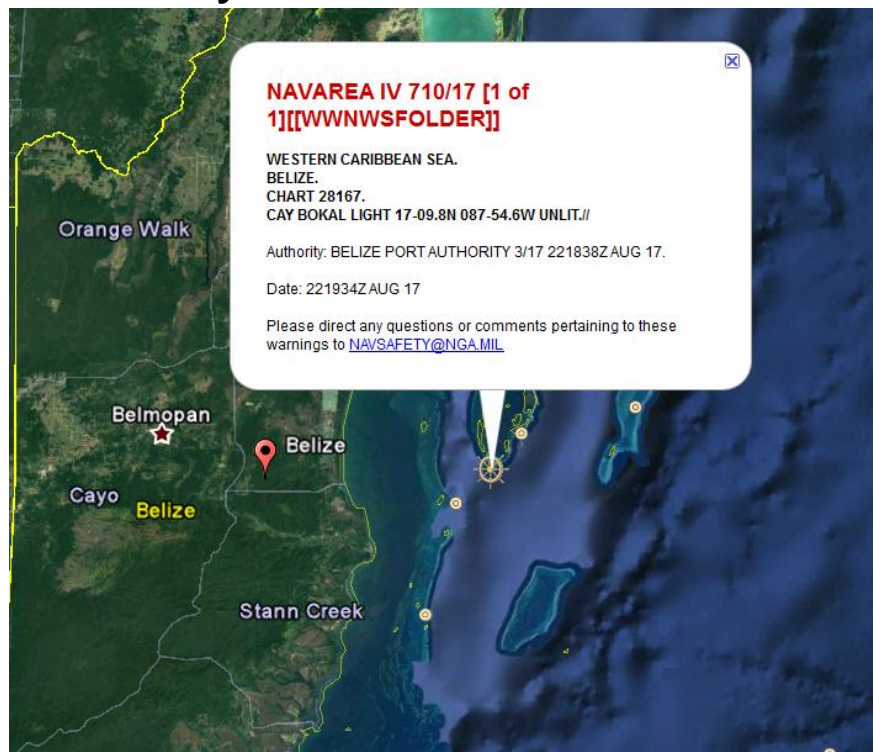
- Sent 2 MSI reports to navsafety@nga.mil
- Promulgated 2 NAVAREA warnings
- 1 warning currently in force





Belize

- Sent 4 MSI reports to navsafety@nga.mil
- Promulgated 2 NAVAREA warnings
- 1 warning currently in force





Colombia

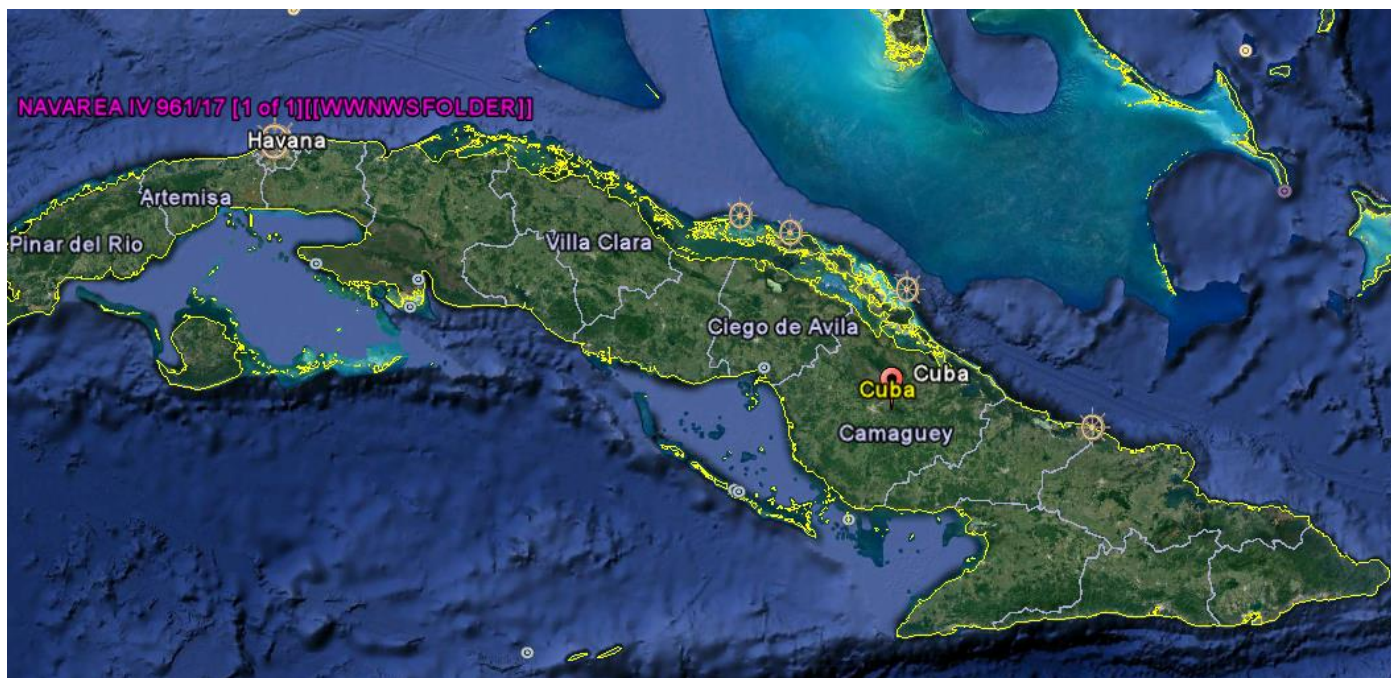
- Sent 249 MSI reports to navsafety@nga.mil
- Promulgated 48 NAVAREA warnings
- 11 warnings currently in force





Cuba

- Sent 10 MSI reports to navsafety@nga.mil
- Promulgated 10 NAVAREA warnings
- 3 warnings currently in force





Ecuador

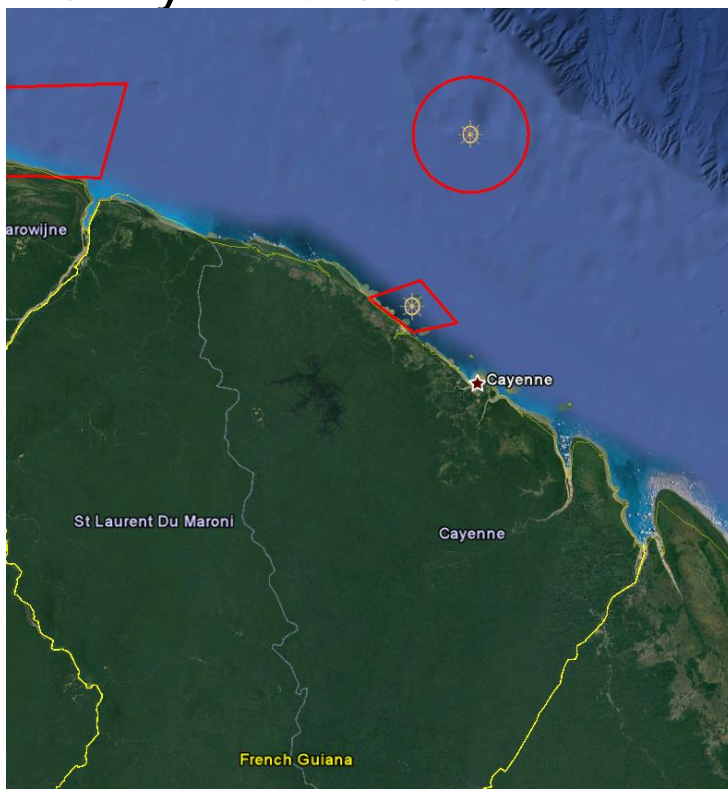
- Sent 2 MSI reports to navsafety@nga.mil
- Promulgated 1 NAVAREA warning
- 1 warning currently in force





French Guiana

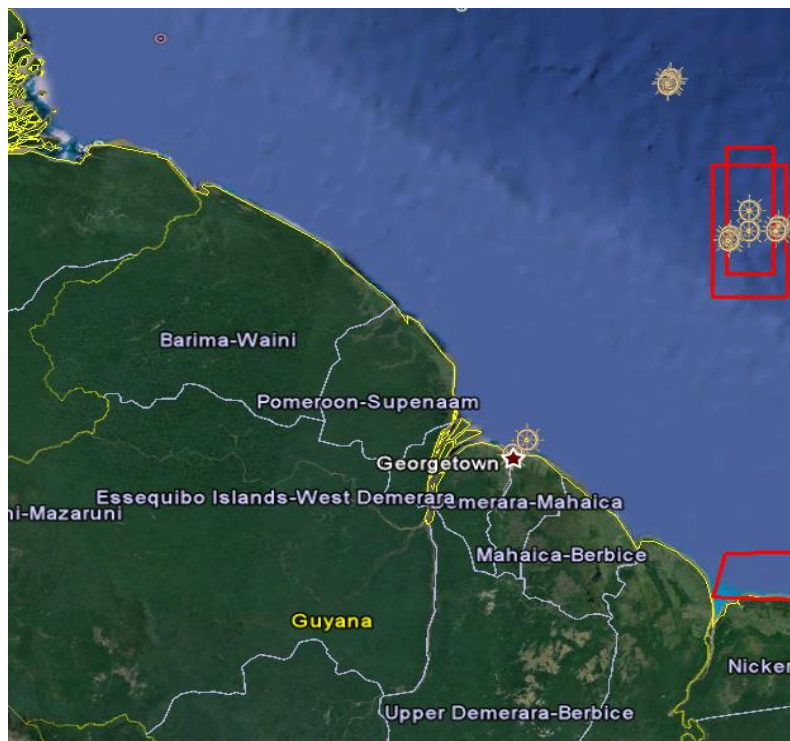
- Sent 18 MSI reports to navsafety@nga.mil
- Promulgated 17 NAVAREA warnings
- 1 warning currently in force





Guyana

- Sent 17 MSI reports to navsafety@nga.mil
- Promulgated 6 NAVAREA warnings
- 2 warnings currently in force





Haiti

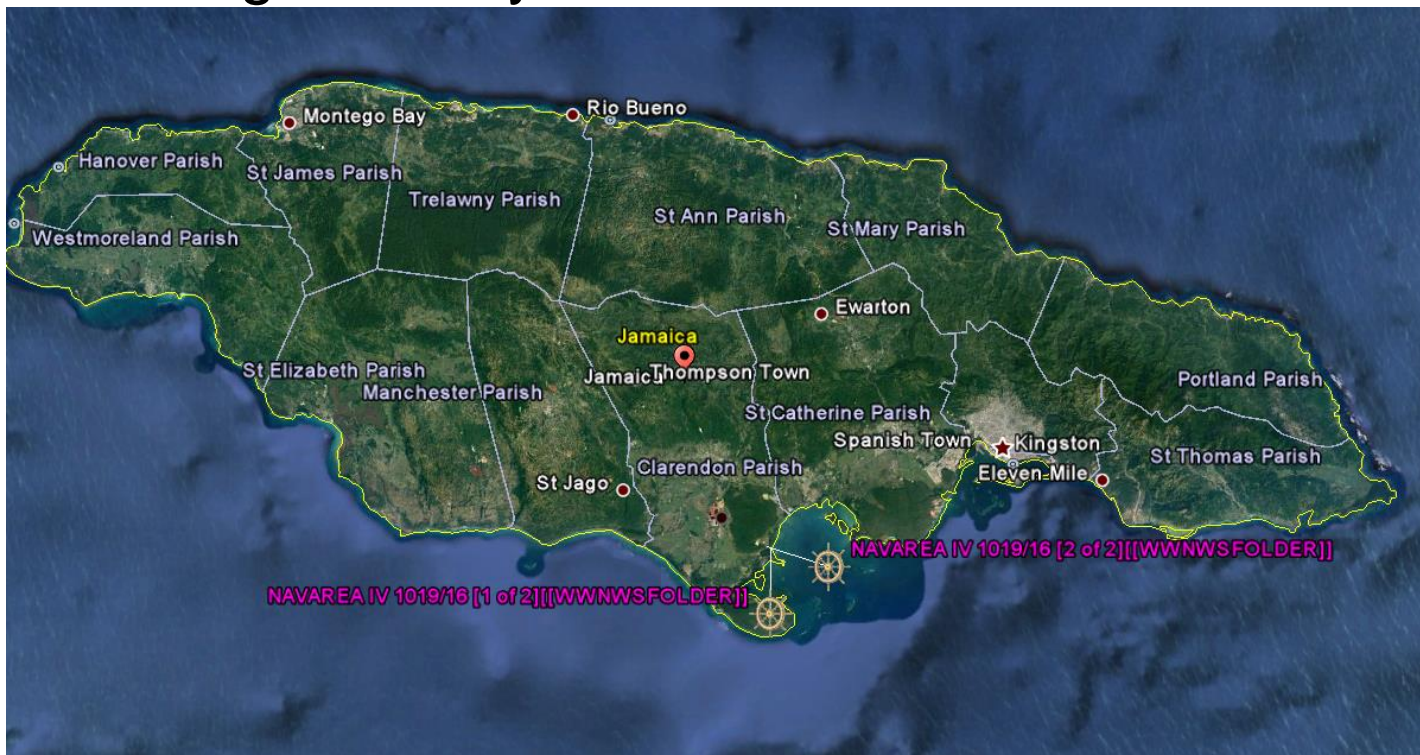
- Sent 4 MSI reports to navsafety@nga.mil
- Promulgated 4 NAVAREA warnings
- 4 warnings currently in force





Jamaica

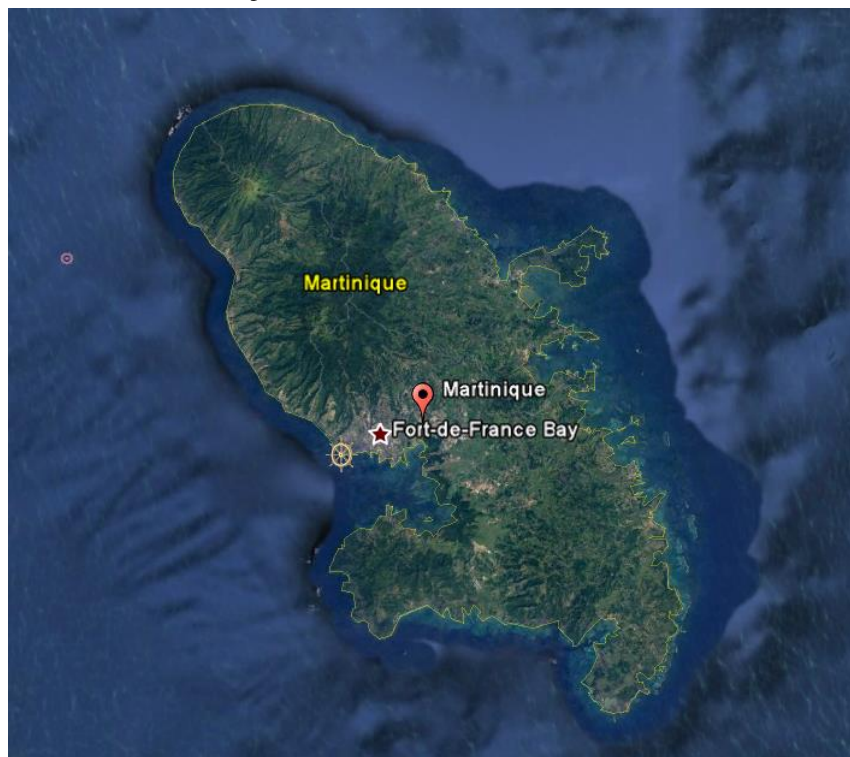
- Sent 3 MSI reports to navsafety@nga.mil
- Promulgated 1 NAVAREA warning
- 1 warning currently in force





Martinique

- Sent 34 MSI reports to navsafety@nga.mil
- Promulgated 18 NAVAREA warnings
- 3 warnings currently in force





Mexico

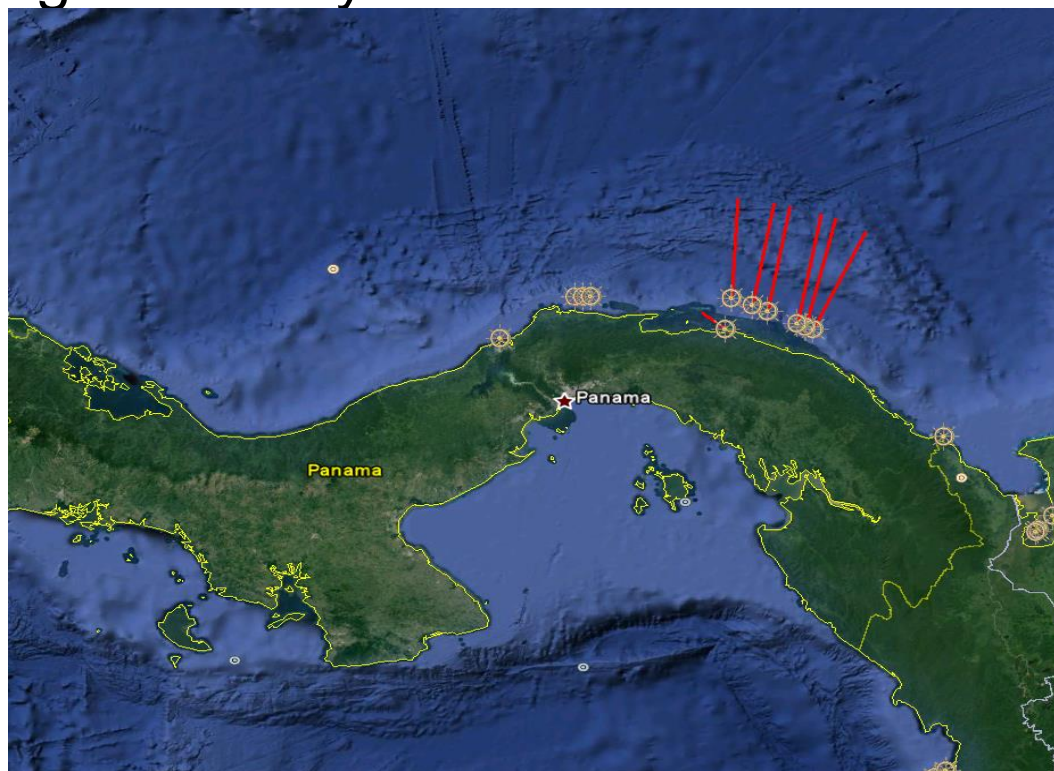
- Sent 172 MSI reports to navsafety@nga.mil
- Promulgated 91 NAVAREA warnings
- 11 warnings currently in force





Panama

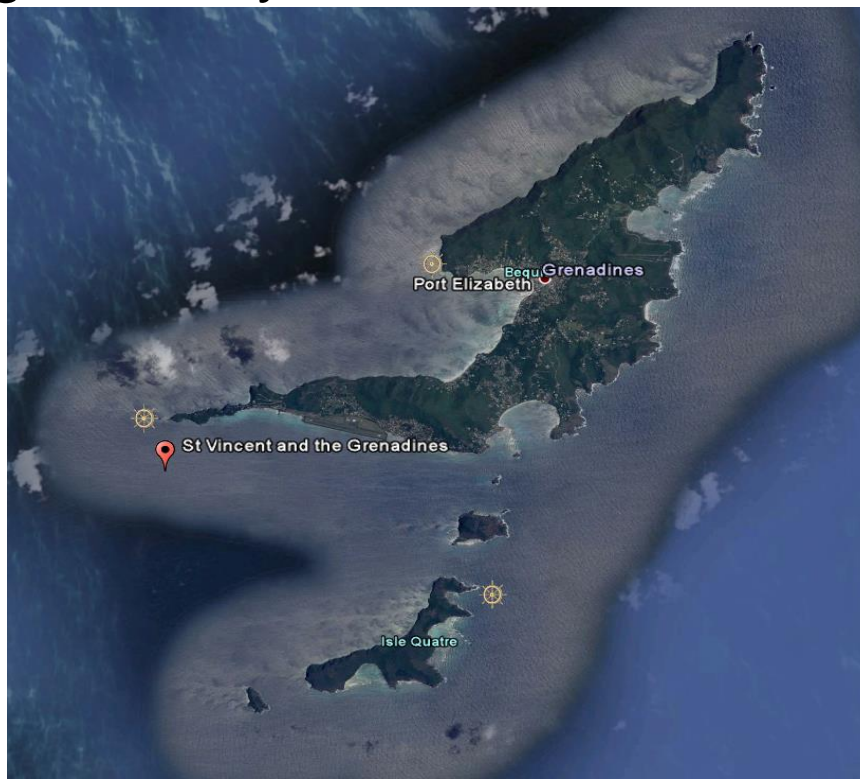
- Sent 35 MSI reports to navsafety@nga.mil
- Promulgated 35 NAVAREA warnings
- 3 warnings currently in force





Saint Vincent and the Grenadines

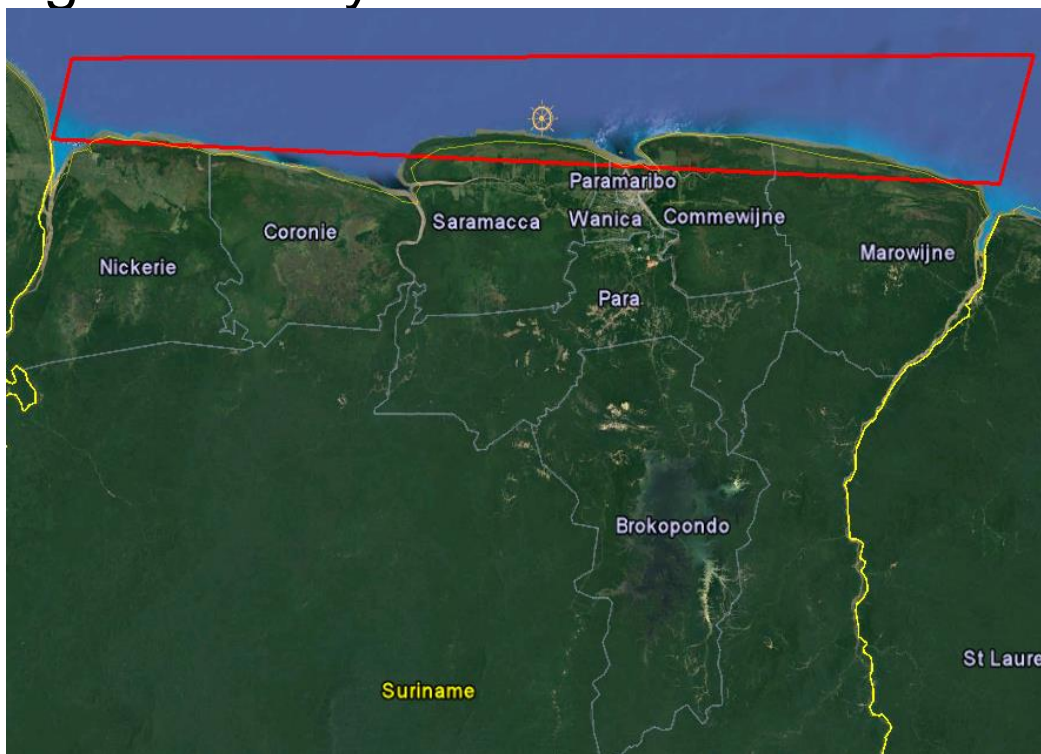
- Sent 1 MSI reports to navsafety@nga.mil
- Promulgated 1 NAVAREA warning
- 1 warning currently in force





Suriname

- Sent 12 MSI reports to navsafety@nga.mil
- Promulgated 10 NAVAREA warnings
- 2 warnings currently in force





Trinidad and Tobago

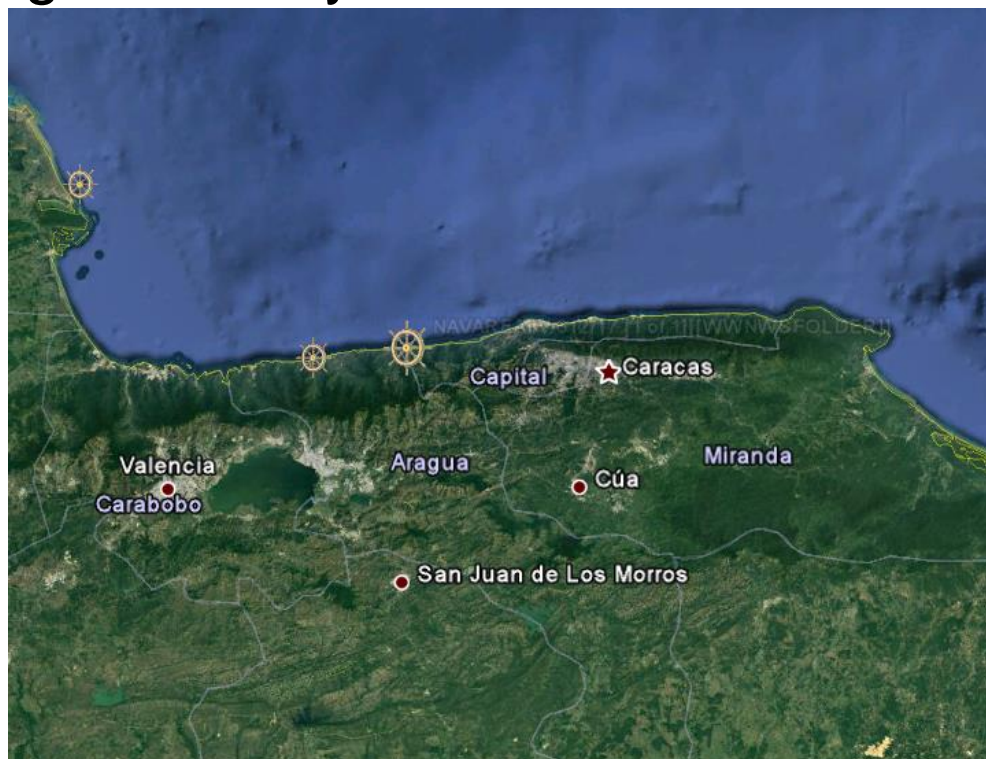
- Sent 73 MSI reports to navsafety@nga.mil
- Promulgated 29 NAVAREA warnings
- 6 warnings currently in force





Venezuela

- Sent 38 MSI reports to navsafety@nga.mil
- Promulgated 13 NAVAREA warnings
- 7 warnings currently in force





National Coordinators in NAVAREA IV and XII

- Send MSI to NAVAREA IV/XII and we will disseminate a navigational warning for your waters....
- **AT NO COST TO YOU !!**

navsafety@nga.mil

- **Mariners will be able download your warning as a text file or as a Google Earth KMZ from the Maritime Safety Information website!**
- **<http://msi.nga.mil/NGAPortal/MSI.portal>**
 - **Select the Broadcast Warnings link**



NAVAREA IV/XII

Thank you for your support!!

