



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

IMO/IHO World-Wide Navigational Warning Service

NAVAREA IV / XII

10 December 2015

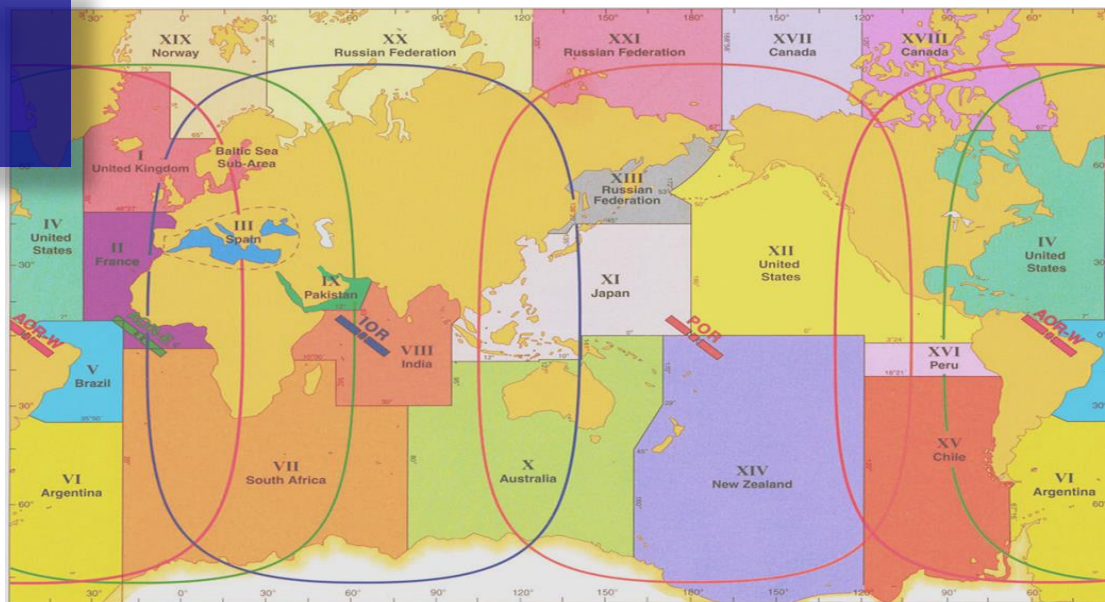




WWNWS Mission

The World-Wide Navigational Warning Service (WWNWS) is the internationally and nationally coordinated service for the promulgation of hazards to navigation that may effect international shipping.

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

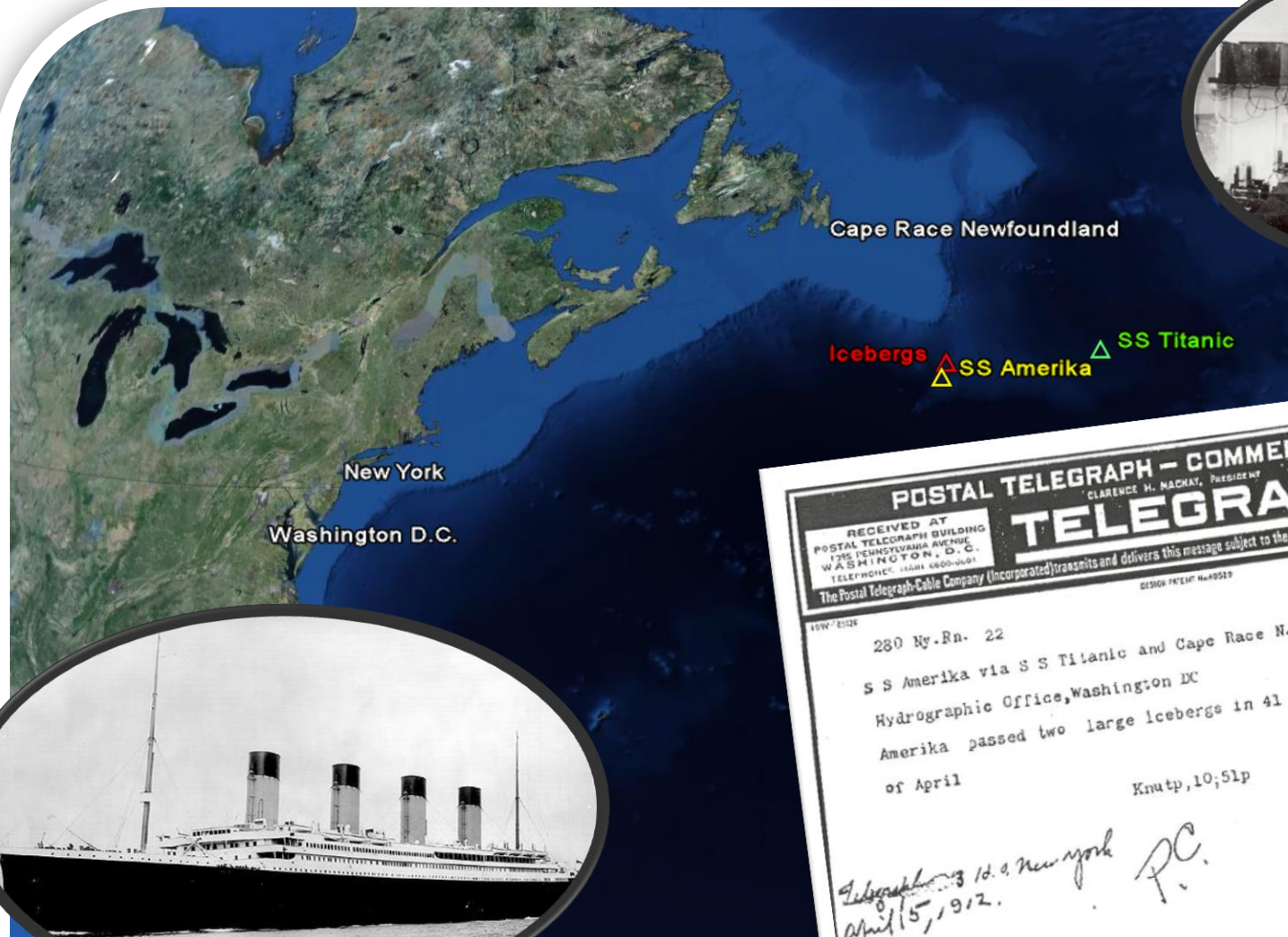




NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

Know the Earth... Show the Way... Understand the World

April 14-15, 1912



POSTAL TELEGRAPH - COMMERCIAL CABLES
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TELEGRAM

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DESIGN PATENT No. 40519

1000-12124

280 Ny.-Rn. 22

S S Amerika via S S Titanic and Cape Race N.F. April, 14, 1912

Hydrographic Office, Washington DC

Amerika passed two large Icebergs in 41 27 N 50 8 W on the 14th of April

Knutp, 10; 51p

62496
filed with
2995

HYDRO. OFFICE
Rec'd APR 15 1912

Enclosures

Am

Subgraph 10.0 New York April 15, 1912. P.C.

mm



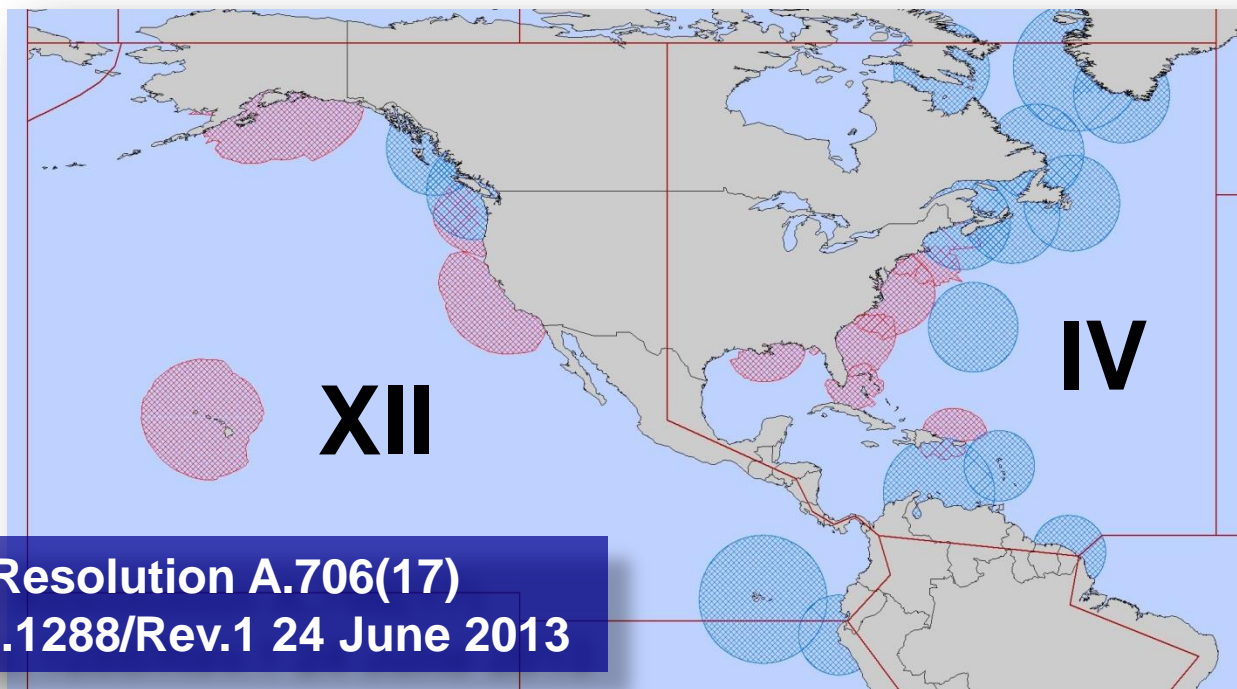
Types of Warnings





NAVAREA IV/XII Coordinator

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

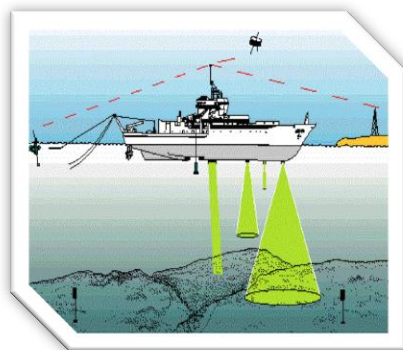




NAVAREA IV/XII Coordinator (cont.)

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

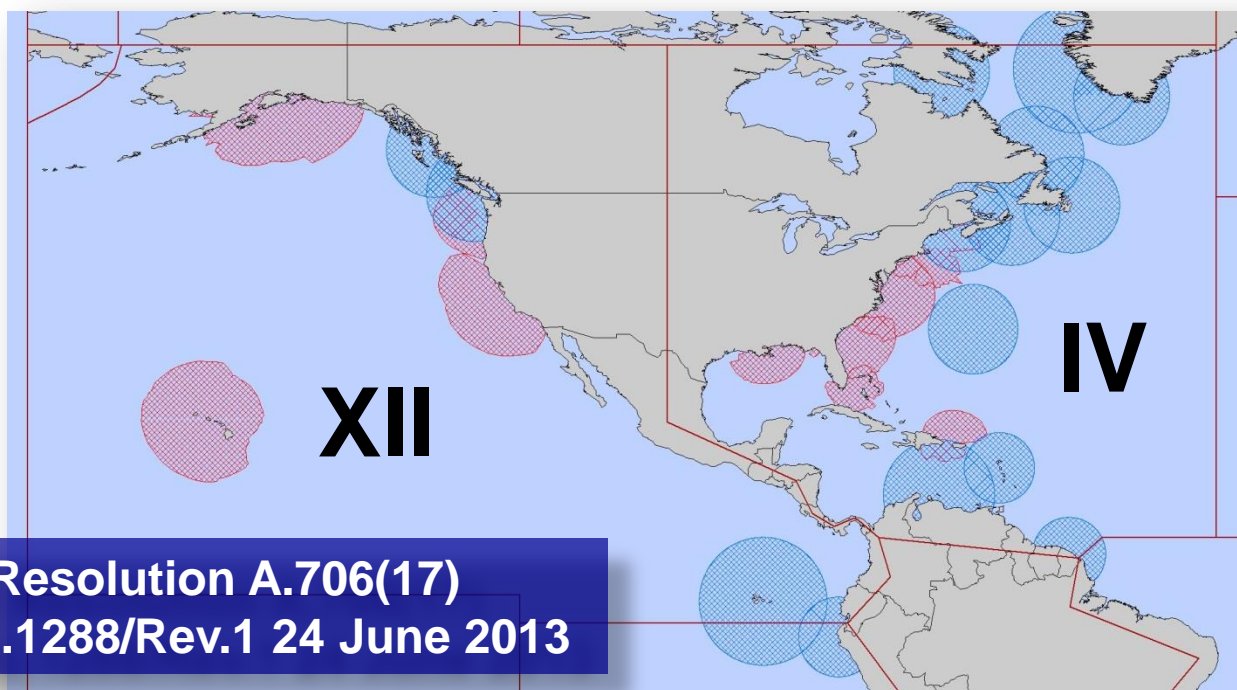
Select information for broadcast





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 Coordinator


Forward coastal warnings and relevant associated information for wider promulgation directly to NAVAREA Coordinator



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



National Coordinators in the MACHC

- 
- Cuba
 - Anguilla (UK)
 - Antigua and Barbuda
 - Aruba (Kingdom of the Netherlands)
 - Bahamas
 - Barbados
 - Belize
 - British Virgin Islands (UK)
 - Caribbean Netherlands (Kingdom of the Netherlands)
 - Cayman Islands (UK)
 - Colombia
 - Costa Rica
 - Curaçao (Kingdom of the Netherlands)
 - Dominica
 - Dominican Republic
 - Ecuador
 - El Salvador
 - French Guiana
 - Grenada
 - Guadeloupe (France)
 - Guatemala
 - Guyana
 - Haiti
 - Honduras
 - Jamaica
 - Martinique (France)
 - Mexico
 - Montserrat (UK)
 - Nicaragua
 - Panama
 - Puerto Rico (US)
 - Saint Barthélemy (France)
 - Saint Kitts and Nevis
 - Saint Lucia
 - Saint Martin (France)
 - Saint Vincent and the Grenadines
 - Sint Maarten (Kingdom of the Netherlands)
 - Suriname
 - Trinidad and Tobago
 - Turks and Caicos Islands (UK)
 - United States Virgin Islands (US)
 - Venezuela

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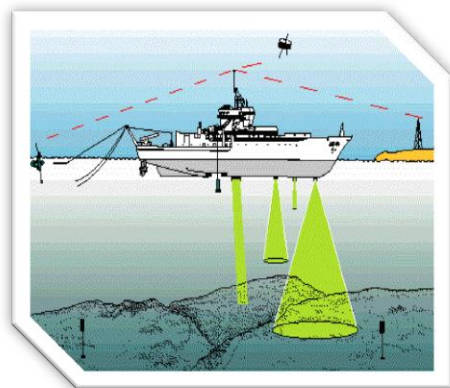
IHO Capacity Building

- The first phase of capacity building is MSI source gathering and dissemination.
 - Allows for real integration of the country into the **World-Wide Navigational Warning Service (WWNWS)**
- The second phase is the creation of a surveying capability.
- The third phase consists of the acquisition of the means to produce charts and publications independently.



Maritime Safety Information Capacity Building Course Outcomes

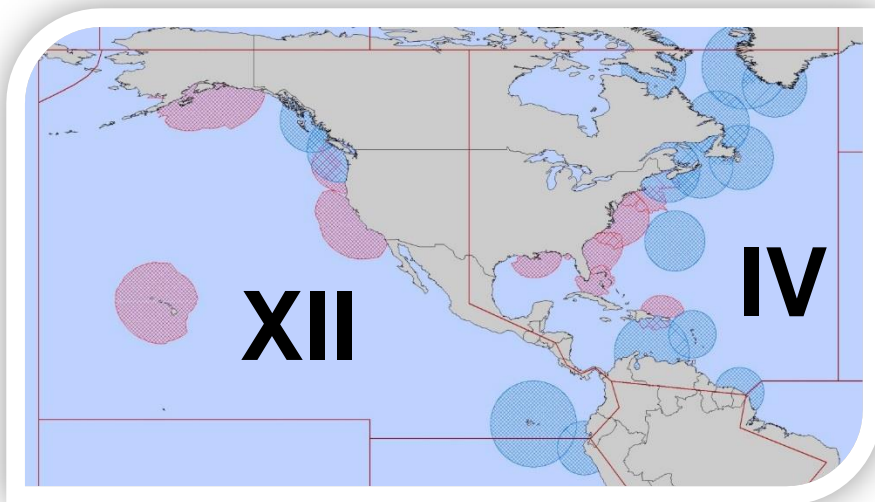
- Endeavour to be informed of all events that could significantly affect the safety of navigation within their coastal region.





Maritime Safety Information Capacity Building Course Outcomes

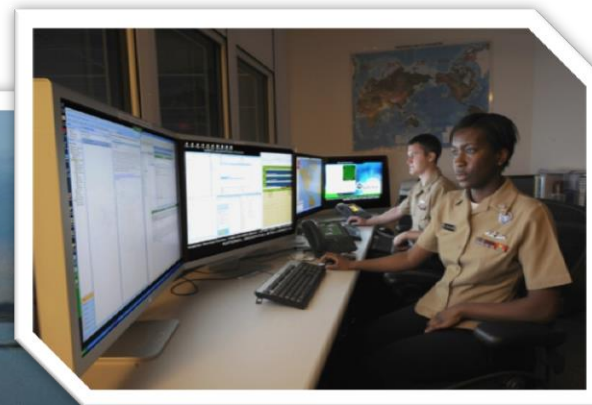
- Assess all information in the light of expert knowledge for relevance to navigation in the coastal region.





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





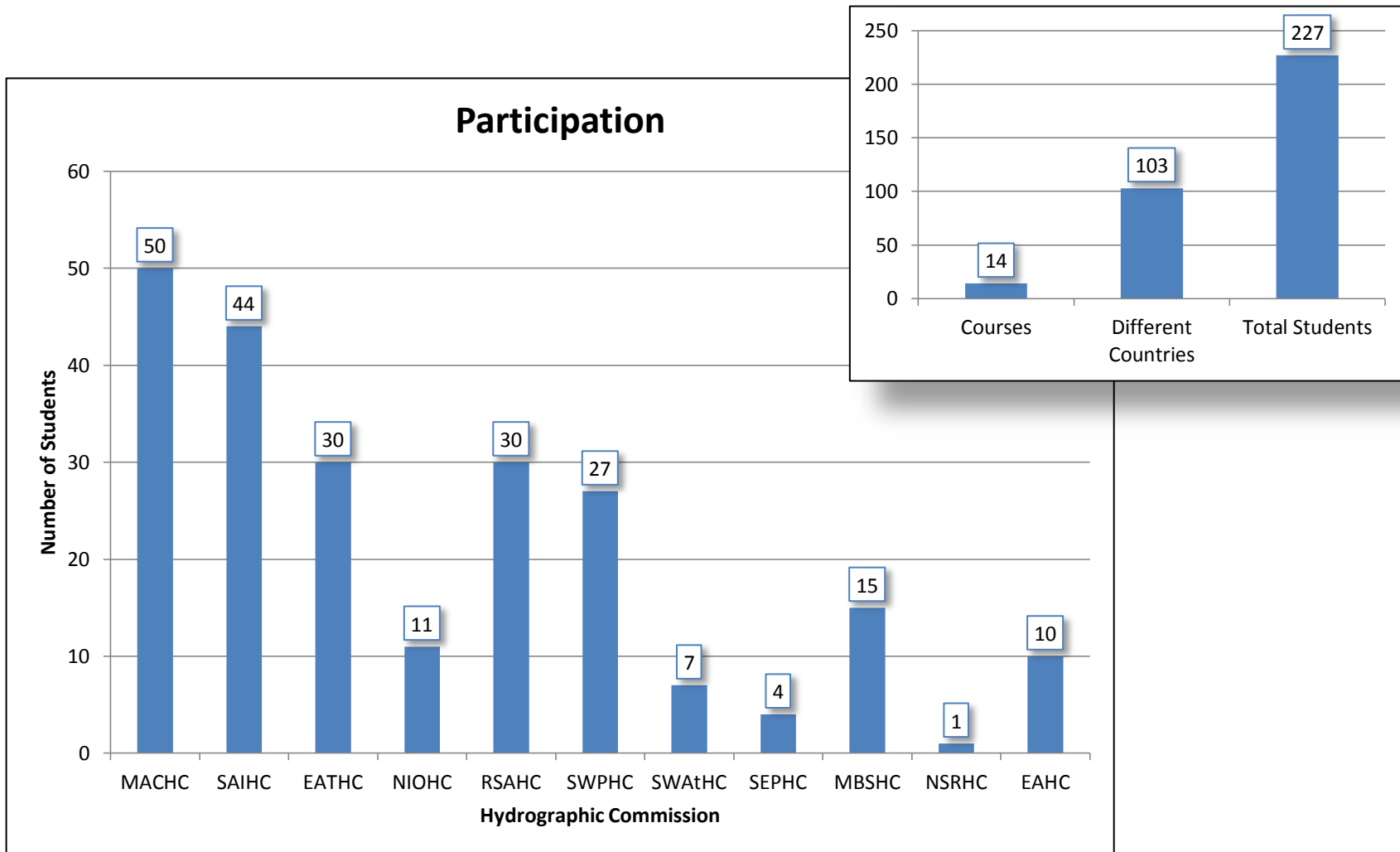
IHO MSI Training Courses (14)

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





MSI Training Course Data





MSI Training Course MACHC Data

- 50 students trained from 22 countries

Anguilla
Antigua and Barbuda
Barbados
British Virgin Islands
Cayman Islands
Colombia
Costa Rica
Dominica
Ecuador
El Salvador
Grenada

Guatemala
Guyana
Honduras
Jamaica
Montserrat
Panama
St. Kitts
St. Vincent & Grenadines
Suriname
Trinidad & Tobago
Turks and Caicos



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National Coordinators in NAVAREA IV and XII

- Send MSI to NGA and NAVAREA IV/XII will disseminate a navigational warning for your waters....
 - **AT NO COST TO YOU !!**
 - **Mariners will be able download your warning as a text file or as a Google Earth KMZ from NGA's Maritime Safety Information website!**
- **<http://msi.nga.mil/NGAPortal/MSI.portal>**
 - Select the Broadcast Warnings link



Mexico support 2015

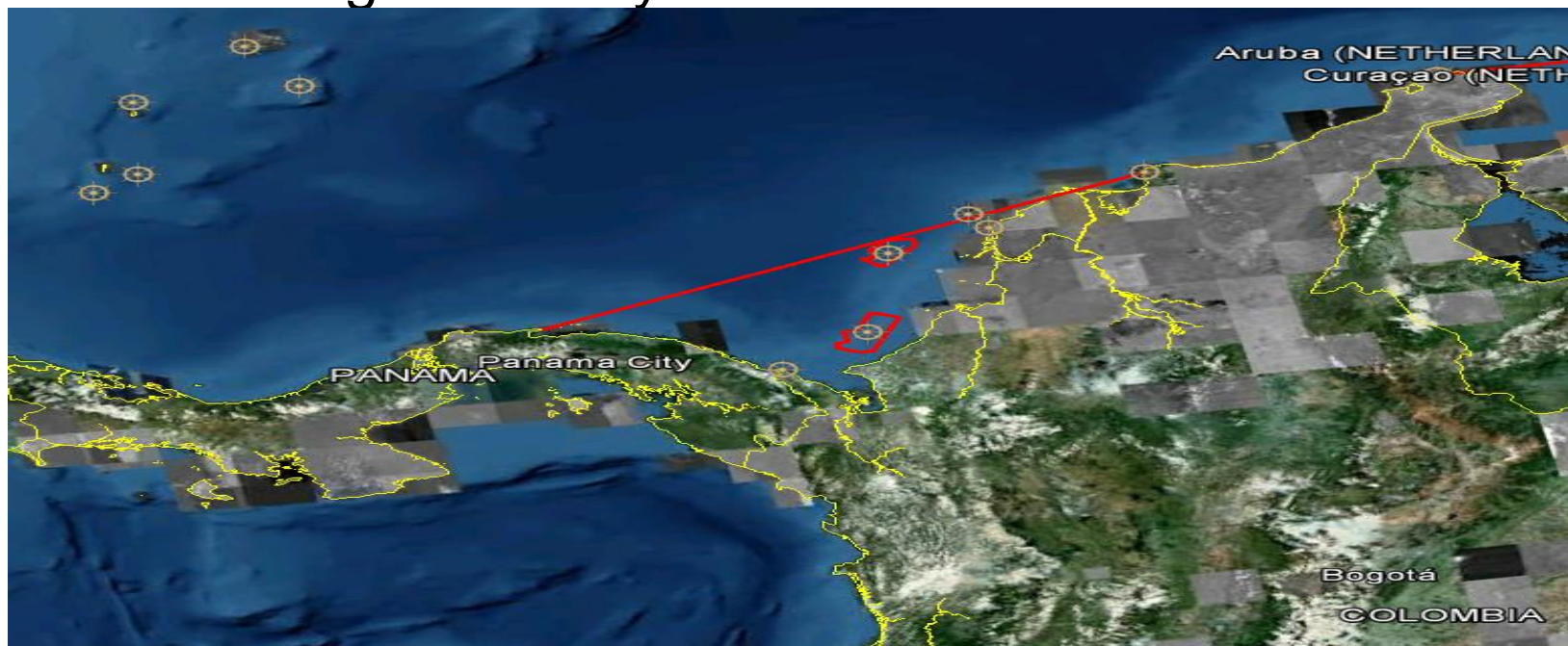
- Sent 394 MSI reports to navsafety@nga.mil
- Promulgated 114 NAVAREA warnings
- 19 warnings currently in force





Colombia support 2015

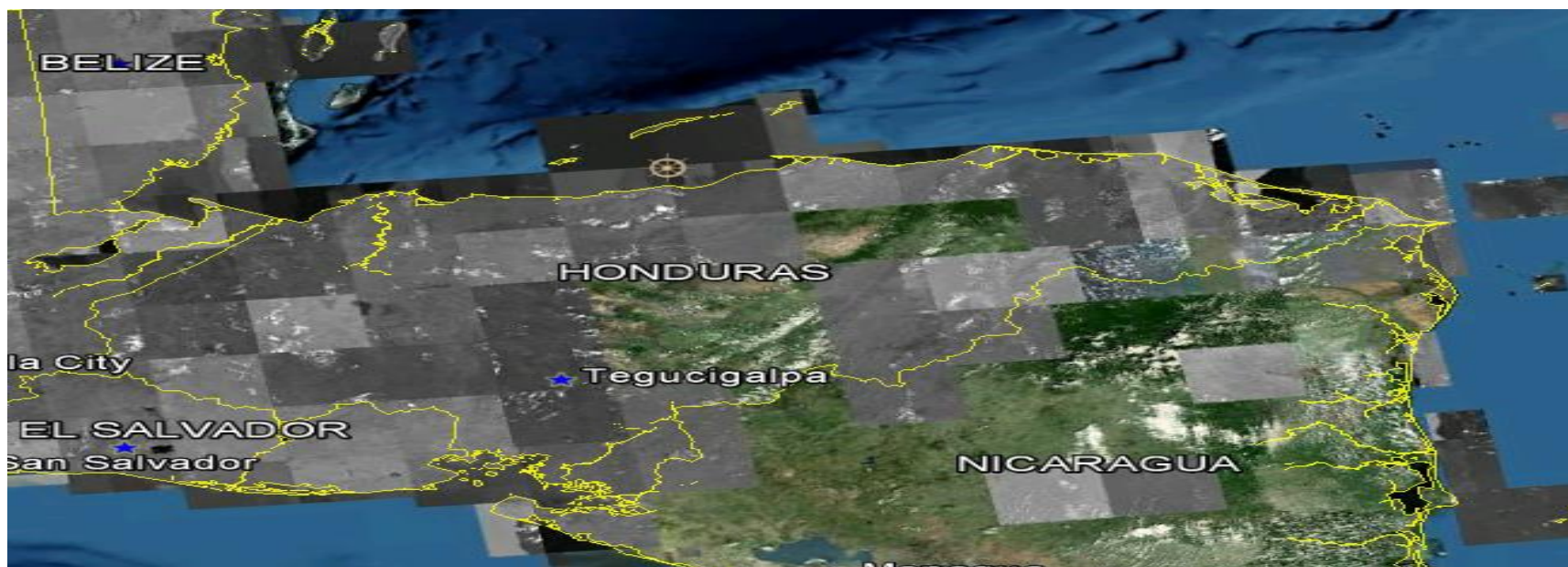
- Sent 47 MSI reports to navsafety@nga.mil
- Promulgated 33 NAVAREA warnings
- 19 warnings currently in force





Honduras support 2015

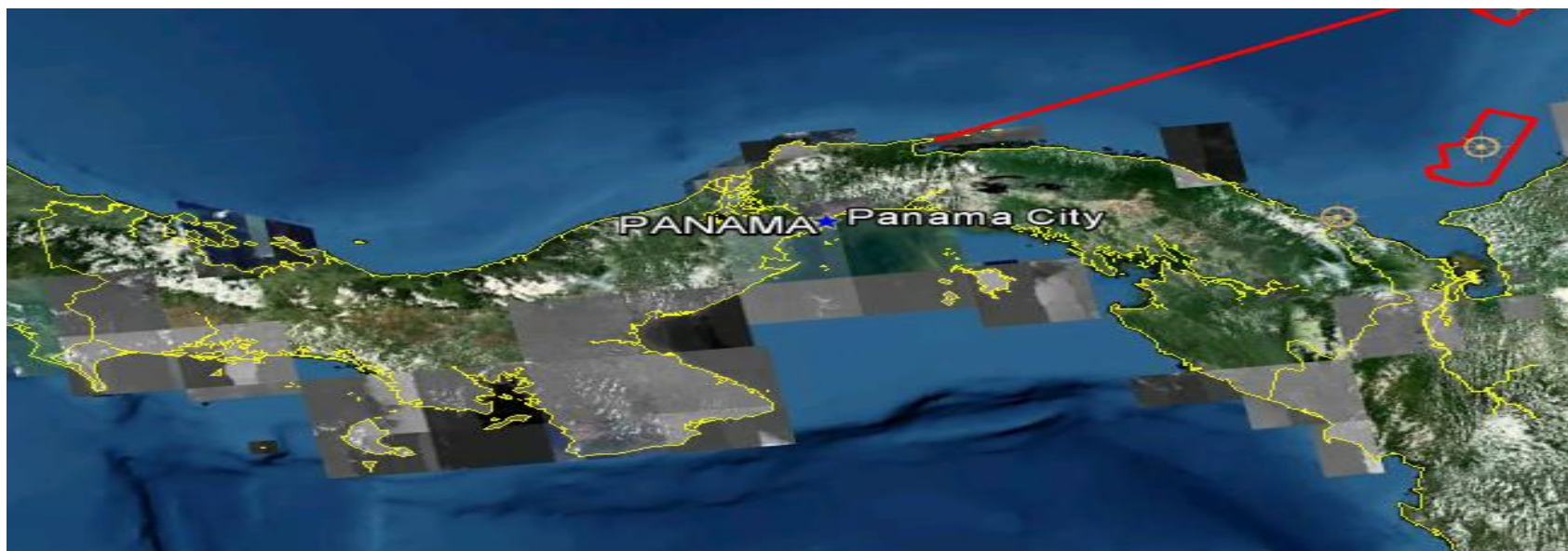
- Sent 3 MSI reports to navsafety@nga.mil
- Promulgated 2 NAVAREA warnings
- 1 warning currently in force





Panama support 2015

- Sent 1 MSI report to navsafety@nga.mil
- Promulgated 1 NAVAREA warning
- No warnings currently in force





Martinique support 2015

- Sent 29 MSI reports to navsafety@nga.mil
- Promulgated 24 NAVAREA warnings
- No warnings currently in force





French Guiana support 2015

- Sent 43 MSI reports to navsafety@nga.mil
- Promulgated 16 NAVAREA warnings
- 1 warning currently in force





Saint Vincent and the Grenadines support 2015

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





Trinidad support 2015

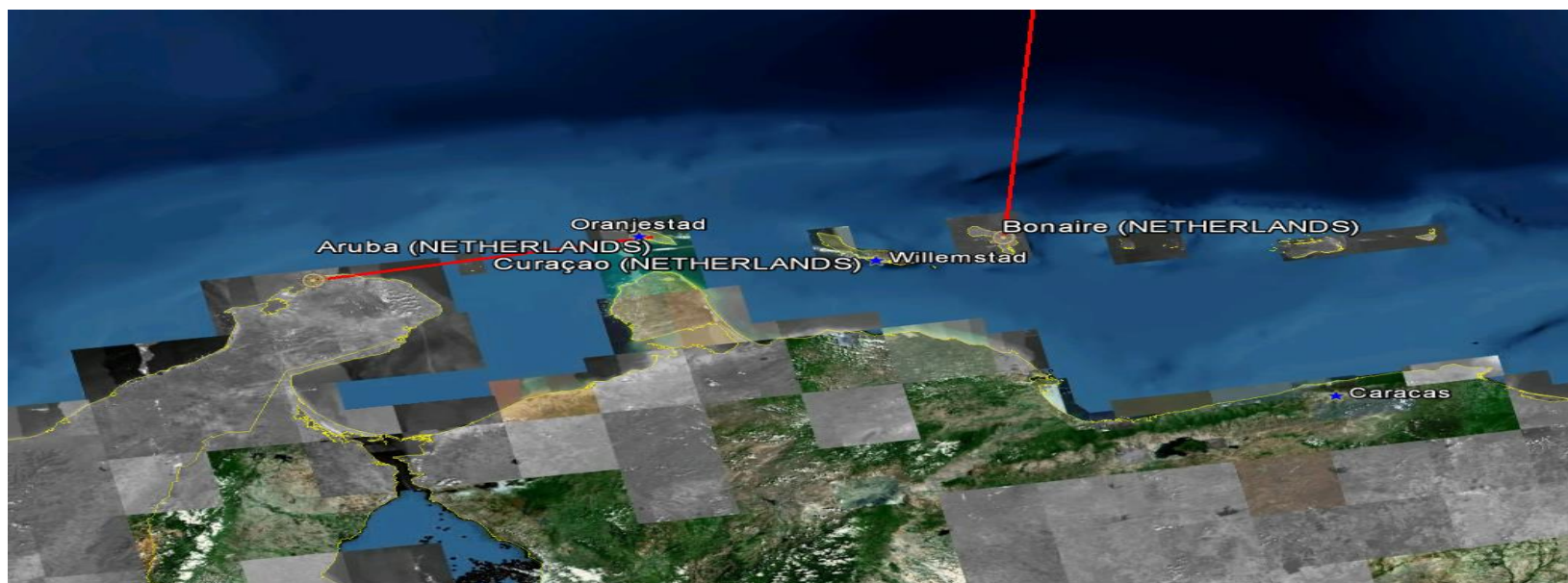
- Sent 46 MSI reports to navsafety@nga.mil
- Promulgated 20 NAVAREA warnings
- 4 warnings currently in force





Curaçao support 2015

- Sent 10 MSI reports to navsafety@nga.mil
- Promulgated 8 NAVAREA warnings
- No warnings currently in force





Jamaica support 2015

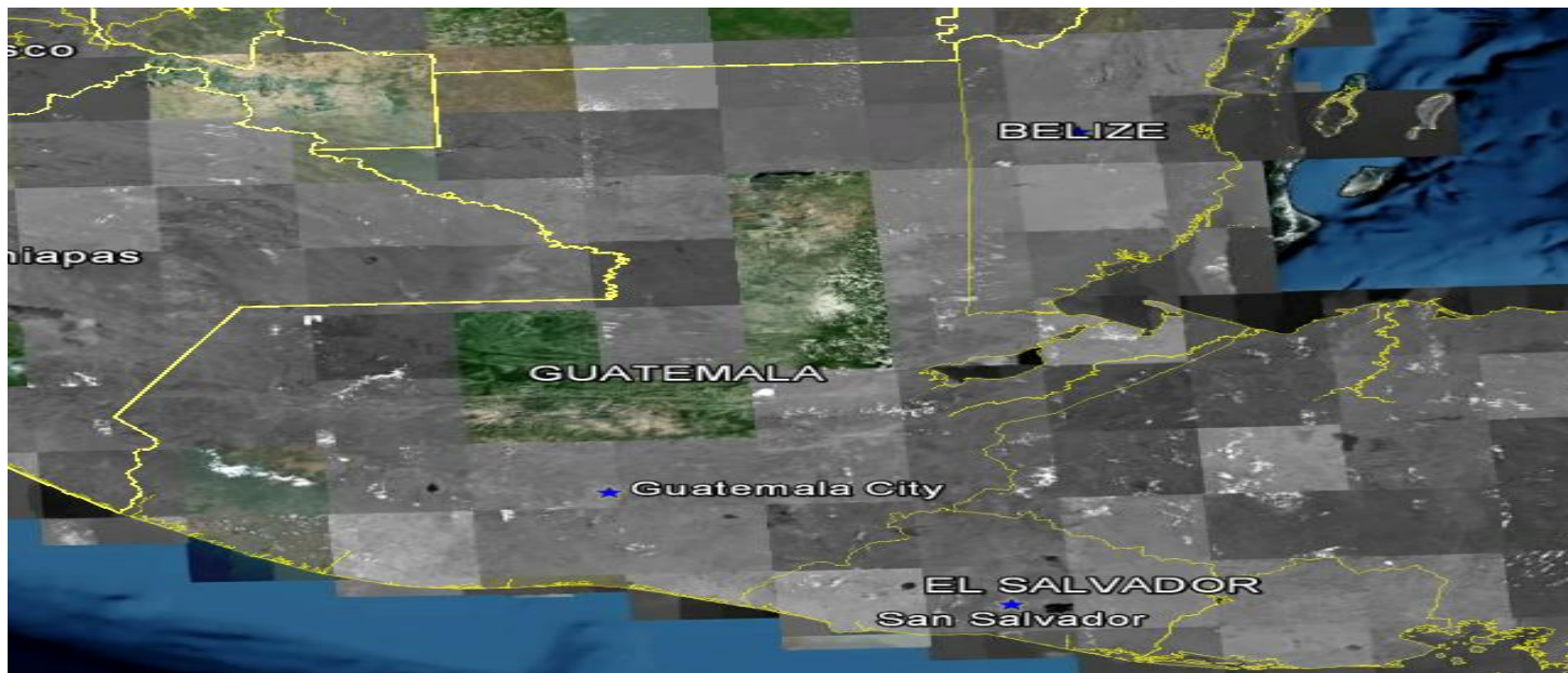
- Sent 6 MSI reports to navsafety@nga.mil
- Promulgated 4 NAVAREA warnings
- No warnings currently in force





Guatemala support 2015

- Sent 5 MSI reports to navsafety@nga.mil
- Promulgated 2 NAVAREA warnings
- No warnings currently in force





NGA NAVAREA IV/XII

Thank you for your support!!

