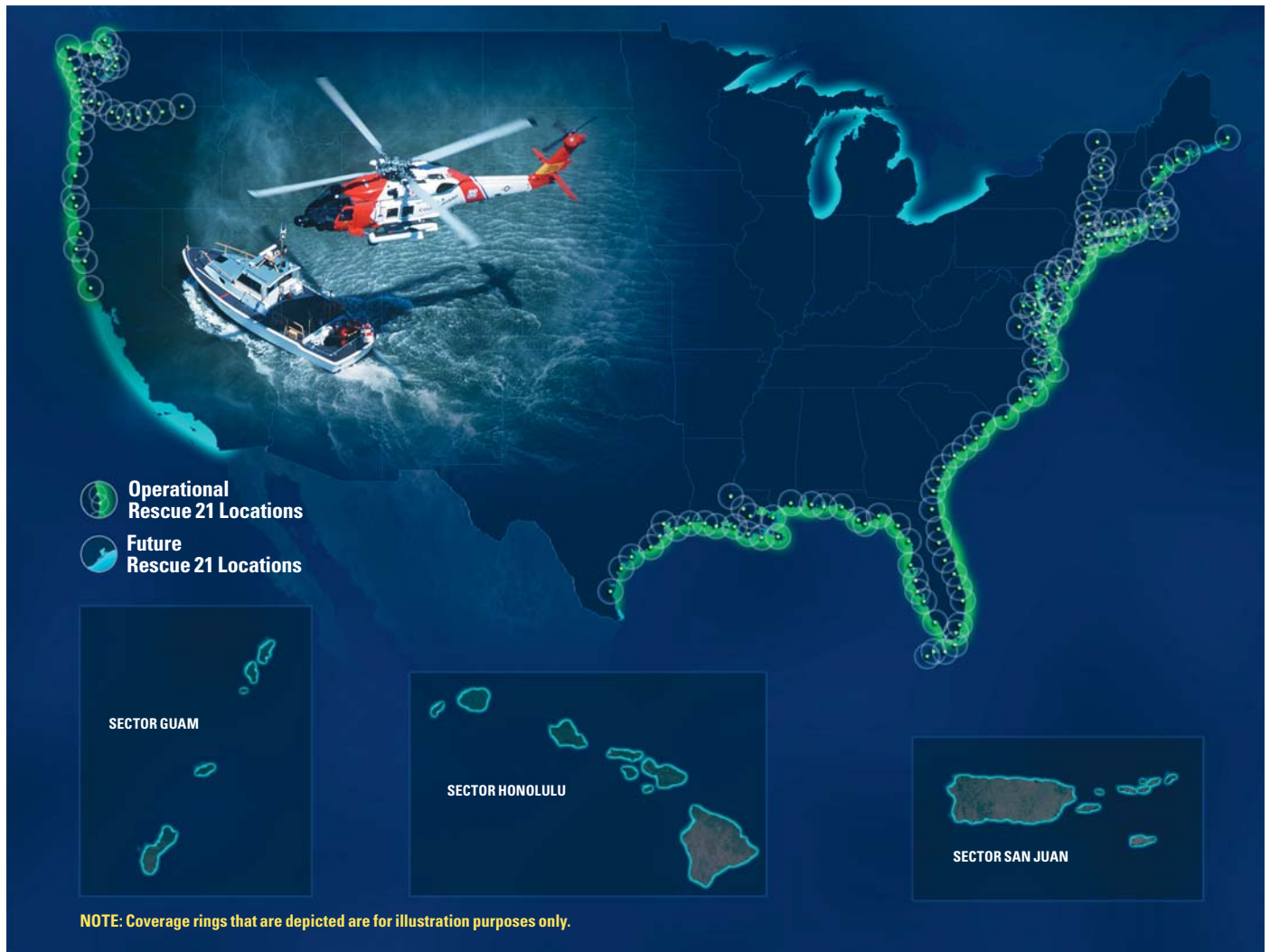


# Rescue 21



## Rescue 21 is “standing the watch”, providing coverage of more than 34,000 miles of U.S. coastline.

- Improving the Coast Guard’s ability to locate, assist, and save lives at sea 24/7
- Improves situational awareness and readiness
- Deters hoax calls
- Provides command and control for HLS missions
- Operational successes experienced in all regions deployed

Rescue 21 will be the U.S. Coast Guard’s primary command and control system for coastal waters of the continental United States, Hawaii, Guam, Puerto Rico, and certain navigable rivers and lakes within the United States. The

Coast Guard currently uses the National Distress and Response System to monitor distress calls and coordinate the search and rescue response. This system consists of a network of VHF-FM antenna high sites with analog transceivers that are remotely controlled by regional communication centers and rescue boat stations providing coverage out to approximately 20 nautical miles from shore.

Rescue 21 modernizes the technology of this system for the 21st century to enhance the public’s maritime safety. Today, more than 80 million boaters on 13 million vessels use our waters, the greatest number in our history. More Americans have access to and are utilizing our waterways for recreation, commerce traffic, and tourism, resulting in more waterway traffic, and therefore, emergencies.



When Search and Rescue operations are initiated, time saves lives. Rescue 21 will reduce response time while maximizing communications. The new system will also assist the Coast Guard in enforcing laws, preventing terrorism and security threats, and reducing the damage threatening the marine environment. This will be accomplished by:

- Filling in coverage gaps in the current VHF-FM system
- Increasing channel capacity, which allows for simultaneous communications on five channels (including VHF Channel 16)  
Using the current system, a distress call can be "stepped on" by a stronger signal, making the distress call unheard
- Including Direction Finding Equipment that will accurately locate a distressed vessel
- Having Digital Selective Calling capability that will instantly transmit a vessel's name, exact location, nature of distress and other vital information when used in conjunction with an integrated Global Positioning System receiver and properly registered Maritime Mobile Service Identity number
- Digitally recording communications for instant playback and historic archiving
- Improving system availability to 99.5%
- Providing critical functionality following natural or man-made disasters through use of Rescue 21's mobile Disaster Recovery System
- Allowing for interoperability with other federal, state, and local agency communications systems

## By the Numbers

November 2005: First life saved using Rescue 21 system

December 2005: First Rescue 21 system commissioned  
Group Atlantic City, New Jersey

December 2005: Group Eastern Shore (Maryland, Delaware and Virginia)

May 2006: Sector Mobile

June 2006: Sector St. Petersburg

December 2006: Sector Seattle and Group/Air Station Port Angeles

September 2007: Sector Delaware Bay

October 2007: Sector Long Island Sound

November 2007: Sector New York

January 2008: Sector Jacksonville

February 2008: Sector Hampton Roads

March 2008: Sector Miami

April 2008: Group/Air Station Astoria

May 2008: Sector Baltimore

June 2008: Group/Air Station North Bend

July 2008: Sector Portland

August 2008: Sector New Orleans

September 2008: Sector Key West

October 2008: Sector Houston-Galveston

December 2008: Sector Charleston

March 2009: Sector North Carolina

April 2009: Sector Boston

September 2009: Group/Air Station Humboldt Bay

October 2009: Sector Southeastern New England

November 2009: Sector Northern New England

December 2009: Sector Corpus Christi

2012: Full Operational Capability covering 42,000 nautical miles of coastline

## GENERAL DYNAMICS

### C4 Systems

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