

# USCG Asset Guide

## **A Desktop Reference Guide to the USCG for the Utility Radio Hobbyist**

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Send updates to: mjc843 at gmail.com



## USCG Air Asset Guide

### Aircraft Fleet List

| Tail | Type     | Homeplate             | Last Log |
|------|----------|-----------------------|----------|
| 101  | C-37A    | CGAS Washington, D.C. | 10-14-16 |
| 102  | C-37A    | CGAS Washington, D.C. | 01-12-17 |
| 202  | C-37A    | CGAS Washington, D.C. | 03-01-17 |
| 1502 | HC-130H  | CGAS Clearwater       | 08-07-16 |
| 1503 | HC-130H  | CGAS Clearwater       | 01-27-17 |
| 1700 | HC-130H7 | CGAS Barbers Point    | 09-22-15 |
| 1701 | HC-130H7 | CGAS Sacramento       | 06-24-16 |
| 1702 | HC-130H7 | CGAS Sacramento       | 03-24-15 |
| 1703 | HC-130H7 | CGAS Barbers Point    | 09-27-16 |
| 1704 | HC-130H7 | CGAS Clearwater       | 03-24-17 |
| 1707 | HC-130H7 | CGAS Barbers Point    | 03-30-17 |
| 1709 | HC-130H7 | CGAS Sacramento       | 04-21-16 |
| 1711 | HC-130H7 | CGAS Kodiak           | 03-11-16 |
| 1712 | HC-130H7 | CGAS Kodiak           | 02-27-17 |
| 1713 | HC-130H7 | CGAS Kodiak           | 02-16-16 |
| 1714 | HC-130H7 | CGAS Kodiak           | 02-16-16 |
| 1715 | HC-130H7 | CGAS Clearwater       | 03-02-17 |

|      |                                 |          |
|------|---------------------------------|----------|
| 1716 | HC-130H7 CGAS Barbers Point     | 01-01-17 |
| 1718 | HC-130H7 CGAS Clearwater        | 03-03-17 |
| 1720 | HC-130H7 CGAS Barbers Point     | 02-03-17 |
| 1790 | HC-130H7 CGAS Clearwater        | 04-14-17 |
| 2001 | HC-130J CGAS Elizabeth City     | 03-02-17 |
| 2002 | HC-130J CGAS Elizabeth City     | 03-24-17 |
| 2003 | HC-130J CGAS Elizabeth City     | 01-13-17 |
| 2004 | HC-130J CGAS Elizabeth City     | 04-08-17 |
| 2005 | HC-130J CGAS Elizabeth City     | 04-13-17 |
| 2006 | HC-130J CGAS Elizabeth City     | 08-05-16 |
| 2007 | HC-130J CGAS Elizabeth City     | 03-03-17 |
| 2008 | HC-130J CGAS Elizabeth City     | 12-13-16 |
| 2009 | HC-130J CGAS Elizabeth City     | 07-20-16 |
| 2010 | HC-130J CGAS Elizabeth City     | 02-24-17 |
| 2011 | HC-130J To be delivered in 2018 |          |
| 2012 | HC-130J To be delivered in 2019 |          |
| 2301 | HC-144A ATC Mobile              | 03-27-17 |
| 2302 | HC-144A CGAS Miami              | 04-14-17 |
| 2303 | HC-144A CGAS Cape Cod           | 04-14-17 |
| 2304 | HC-144A CGAS Miami              | 03-27-17 |
| 2305 | HC-144A CGAS Miami              | 02-24-17 |
| 2306 | HC-144B ATC Mobile              | 01-20-17 |
| 2307 | HC-144B ATC Mobile              | 07-16-16 |
| 2308 | HC-144A CGAS Corpus Christi     | 01-27-17 |
| 2309 | HC-144A CGAS Cape Cod           | 03-17-17 |
| 2310 | HC-144A CGAS Miami              | 03-27-17 |
| 2311 | HC-144A ATC Mobile              | 04-14-17 |
| 2312 | HC-144A ATC Mobile              | 04-04-17 |
| 2313 | HC-144A CGAS Corpus Christi     | 03-12-17 |
| 2314 | HC-144A CGAS Corpus Christi     | 03-02-17 |
| 2315 | HC-144A CGAS Miami              | 08-27-16 |
| 2316 | HC-144A CGAS Miami              | 03-12-17 |
| 2317 | HC-144A CGAS Cape Cod           | 04-02-17 |
| 2318 | HC-144A ATC Mobile              | 04-14-17 |
| 2701 | HC-27J To be delivered          |          |
| 2702 | HC-27J CGAS Elizabeth City      | 11-22-16 |
| 2703 | HC-27J CGAS Elizabeth City      | 04-05-17 |
| 2704 | HC-27J CGAS Elizabeth City      | 08-20-15 |
| 2705 | HC-27J To be delivered          |          |
| 2706 | HC-27J CGAS Sacramento          | 11-27-16 |
| 2707 | HC-27J CGAS Sacramento          | 02-27-17 |
| 2708 | HC-27J CGAS Sacramento          | 10-15-16 |
| 2709 | HC-27J CGAS Sacramento          | 10-15-16 |
| 2710 | HC-27J To be delivered          |          |
| 2711 | HC-27J CGAS Sacramento          | 06-22-16 |
| 2712 | HC-27J CGAS Elizabeth City      | 02-08-17 |
| 2713 | HC-27J CGAS Sacramento          | 02-27-17 |
| 2714 | HC-27J CGAS Sacramento          | 10-27-16 |
| 6001 | MH-60T ATC Mobile               | 01-27-17 |
| 6002 | MH-60T CGAS Astoria             | 04-10-17 |
| 6003 | MH-60T CGAS Astoria             | 03-26-17 |
| 6004 | MH-60T CGAS Kodiak              | 01-30-17 |
| 6005 | MH-60T CGAS Kodiak              | 02-16-16 |
| 6006 | MH-60T CGAS Elizabeth City      | 03-03-17 |
| 6007 | MH-60T CGAS Clearwater          | 04-13-17 |
| 6008 | MH-60T CGAS Clearwater          | 10-23-16 |

|      |        |                     |          |
|------|--------|---------------------|----------|
| 6009 | MH-60T | CGAS Clearwater     | 02-13-17 |
| 6010 | MH-60T | CGAS Astoria        | 08-24-16 |
| 6011 | MH-60T | CGAS Clearwater     | 01-27-17 |
| 6012 | MH-60T | CGAS Clearwater     | 03-31-17 |
| 6013 | MH-60T | CGAS Clearwater     | 04-14-17 |
| 6014 | MH-60T | CGAS Clearwater     | 12-09-16 |
| 6015 | MH-60T | CGAS Elizabeth City | 10-23-16 |
| 6016 | MH-60T | CGAS Clearwater     | 11-02-16 |
| 6018 | MH-60T | CGAS Clearwater     | 02-03-17 |
| 6019 | MH-60T | CGAS San Diego      | 03-24-17 |
| 6021 | MH-60T | CGAS Clearwater     | 11-24-16 |
| 6022 | MH-60T | CGAS San Diego      | 04-02-17 |
| 6023 | MH-60T | CGAS Elizabeth City | 01-25-17 |
| 6024 | MH-60T | CGAS San Diego      | 03-21-17 |
| 6025 | MH-60T | ATC Mobile          | 01-27-17 |
| 6026 | MH-60T | CGAS Cape Cod       | 08-27-16 |
| 6027 | MH-60T | CGAS Clearwater     | 06-16-16 |
| 6029 | MH-60T | CGAS San Diego      | 03-21-17 |
| 6030 | MH-60T | CGAS Clearwater     | 04-14-17 |
| 6031 | MH-60T | CGAS Elizabeth City | 03-15-17 |
| 6032 | MH-60T | CGAS Sitka          | 09-21-16 |
| 6033 | MH-60T | CGAS Cape Cod       | 12-31-16 |
| 6034 | MH-60T | CGAS Sitka          | 07-30-15 |
| 6035 | MH-60T | Unknown             | 02-04-17 |
| 6036 | MH-60T | CGAS Clearwater     | 01-16-17 |
| 6037 | MH-60T | CGAS Kodiak         | 02-27-17 |
| 6038 | MH-60T | CGAS Elizabeth City | 03-23-15 |
| 6039 | MH-60T | ATC Mobile          | 09-22-15 |
| 6040 | MH-60T | CGAS Elizabeth City | 03-03-17 |
| 6041 | MH-60T | CGAS Cape Cod       | 09-18-16 |
| 6042 | MH-60T | CGAS Cape Cod       | 01-13-17 |
| 6043 | MH-60T | CGAS Sitka          | 09-21-16 |
| 6044 | MH-60T | CGAS Clearwater     | 01-15-17 |
| 6045 | MH-60T | CGAS Clearwater     | 10-05-16 |
| 6046 | MH-60T | ATC Mobile          | 04-04-17 |
| 6047 | MH-60T | CGAS Clearwater     | 03-13-17 |
| 6048 | MH-60T | East Coast          | 04-14-17 |
| 6501 | MH-65D | Unknown             | 10-08-16 |
| 6502 | MH-65D | CGAS New Orleans    | 05-01-15 |
| 6503 | MH-65D | CGAS Atlantic City  | 05-17-16 |
| 6504 | MH-65D | HITRON Jacksonville | 02-11-17 |
| 6506 | MH-65D | HITRON Jacksonville | 04-07-17 |
| 6507 | MH-65D | CGAS Atlantic City  | 10-19-15 |
| 6508 | MH-65D | CGAS New Orleans    | 04-18-14 |
| 6509 | MH-65D | CGAS Atlantic City  | 02-12-17 |
| 6510 | MH-65D | CGAS Miami          | 05-27-16 |
| 6511 | MH-65D | CGAS Miami          | 12-25-16 |
| 6512 | MH-65D | HITRON Jacksonville | 03-03-17 |
| 6513 | MH-65D | HITRON Jacksonville | 10-08-16 |
| 6514 | MH-65D | CGAS North Bend     | 09-18-16 |
| 6515 | MH-65D | CGAS San Francisco  | 02-06-15 |
| 6516 | MH-65D | CGAS Savannah       | 01-09-17 |
| 6517 | MH-65D | CGAS Atlantic City  | 07-28-15 |
| 6518 | MH-65D | CGAS Port Angeles   | 08-03-16 |
| 6519 | MH-65D | CGAS North Bend     | 10-08-16 |
| 6520 | MH-65D | CGAS Houston        | 04-30-16 |

|      |        |                     |          |
|------|--------|---------------------|----------|
| 6521 | MH-65D | East Coast          | 11-04-16 |
| 6522 | MH-65D | CGAS Atlantic City  | 01-16-16 |
| 6524 | MH-65D | CGAS North Bend     | 01-23-15 |
| 6525 | MH-65D | HITRON Jacksonville | 07-12-16 |
| 6526 | MH-65D | Unknown             | 02-19-17 |
| 6527 | MH-65D | CGAS Traverse City  | 01-06-15 |
| 6528 | MH-65D | HITRON Jacksonville | 09-30-16 |
| 6529 | MH-65D | Unknown             | 04-15-16 |
| 6530 | MH-65D | CGAS Savannah       | 03-15-16 |
| 6531 | MH-65D | CGAS San Francisco  | 05-18-16 |
| 6532 | MH-65D | CGAS Detroit        | 12-07-15 |
| 6533 | MH-65D | CGAS New Orleans    | 02-23-15 |
| 6534 | MH-65D | CGAS Atlantic City  | 11-04-16 |
| 6536 | MH-65D | CGAS Atlantic City  | 11-06-16 |
| 6537 | MH-65D | CGAS North Bend     | 03-14-15 |
| 6538 | MH-65D | CGAS New Orleans    | 04-06-16 |
| 6539 | MH-65D | HITRON Jacksonville | 01-27-17 |
| 6540 | MH-65D | CGAS Miami          | 04-07-17 |
| 6542 | MH-65D | CGAS Miami          | 03-03-17 |
| 6543 | MH-65D | CGAS Traverse City  | 03-17-15 |
| 6544 | MH-65D | CGAS Savannah       | 01-12-17 |
| 6545 | MH-65D | CGAS Miami          | 12-19-16 |
| 6547 | MH-65D | CGAS Barbers Point  | 07-15-16 |
| 6548 | MH-65D | Unknown             | 03-21-13 |
| 6550 | MH-65D | CGAS Savannah       | 01-12-17 |
| 6551 | MH-65D | CGAS Barbers Point  | 01-10-17 |
| 6552 | MH-65D | HITRON Jacksonville | 02-19-17 |
| 6553 | MH-65D | CGAS Atlantic City  | 09-14-16 |
| 6554 | MH-65D | CGAS Corpus Christi | 02-25-17 |
| 6555 | MH-65D | CGAS Savannah       | 01-12-17 |
| 6556 | MH-65D | CGAS Humboldt Bay   | 02-06-16 |
| 6557 | MH-65D | FOB Point Mugu      | 03-21-17 |
| 6558 | MH-65D | CGAS Humboldt Bay   | 11-10-16 |
| 6559 | MH-65D | CGAS Houston        | 03-20-16 |
| 6560 | MH-65D | CGAS Detroit        | 09-18-16 |
| 6561 | MH-65D | ATC Mobile          | 04-29-16 |
| 6562 | MH-65D | CGAS Savannah       | 01-09-17 |
| 6563 | MH-65D | Unknown             | 10-03-16 |
| 6564 | MH-65D | CGAS Corpus Christi | 09-17-16 |
| 6565 | MH-65D | ATC Mobile          | 03-01-16 |
| 6566 | MH-65D | CGAS Borinquen      | 11-08-15 |
| 6567 | MH-65D | HITRON Jacksonville | 10-08-16 |
| 6568 | MH-65D | East Coast          | 08-19-16 |
| 6569 | MH-65D | CGAS Borinquen      | 03-05-17 |
| 6570 | MH-65D | CGAS San Francisco  | 12-25-16 |
| 6571 | MH-65D | CGAS Atlantic City  | 09-01-16 |
| 6572 | MH-65D | CGAS Borinquen      | 03-16-17 |
| 6573 | MH-65D | CGAS Borinquen      | 03-10-17 |
| 6574 | MH-65D | East Coast          | 12-28-12 |
| 6575 | MH-65D | ATC Mobile          | 03-09-16 |
| 6576 | MH-65D | CGAS New Orleans    | 01-31-13 |
| 6577 | MH-65D | CGAS Atlantic City  | 08-02-16 |
| 6578 | MH-65D | CGAS Barbers Point  | 01-14-16 |
| 6579 | MH-65D | CGAS Borinquen      | 04-01-17 |
| 6580 | MH-65D | CGAS Barbers Point  | 10-10-13 |
| 6581 | MH-65D | CGAS Houston        | 03-31-17 |

|      |        |                     |          |
|------|--------|---------------------|----------|
| 6582 | MH-65D | CGAS Detroit        | 07-27-16 |
| 6583 | MH-65D | ATC Mobile          | 01-29-16 |
| 6584 | MH-65D | ATC Mobile          | 08-14-16 |
| 6585 | MH-65D | CGAS Borinquen      | 11-11-16 |
| 6586 | MH-65D | CGAS San Francisco  | 03-02-17 |
| 6587 | MH-65E | ATC Mobile          | 01-27-17 |
| 6588 | MH-65D | CGAS Atlantic City  | 04-30-16 |
| 6589 | MH-65D | CGAS Detroit        | 04-01-17 |
| 6590 | MH-65D | CGAS Atlantic City  | 01-08-16 |
| 6591 | MH-65D | ATC Mobile          | 12-28-16 |
| 6592 | MH-65D | Unknown             | 03-11-17 |
| 6593 | MH-65D | CGAS Kodiak         | 02-24-17 |
| 6594 | MH-65E | CGAS Elizabeth City | 01-29-16 |
| 6595 | MH-65D | East Coast          | 01-08-17 |
| 6596 | MH-65D | CGAS Kodiak         | 02-24-17 |
| 6597 | MH-65D | CGAS Port Angeles   | 10-05-16 |
| 6598 | MH-65D | CGAS Atlantic City  | 02-02-16 |
| 6599 | MH-65D | CGAS Kodiak         | 12-20-15 |
| 6601 | MH-65D | ALC Elizabeth City  | 08-14-09 |
| 6602 | MH-65D | Unknown             | 05-18-14 |
| 6603 | MH-65D | CGAS Houston        | 10-15-16 |
| 6604 | MH-65D | CGAS Miami          | 02-03-17 |
| 6605 | MH-65D | CGAS Humboldt Bay   | 02-22-17 |
| 6606 | MH-65D | CGAS Humboldt Bay   | 11-06-15 |
| 6607 | MH-65D | FOB Point Mugu      | 03-21-17 |
| 6608 | MH-65D | CGAS Miami          | 01-03-15 |

## HC-130 Long Range Search Aircraft

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(USCG fact file)

Range: 4100 (H), 5500 (J) NM

Endurance: 14 (H), 21(J) Hours

Crew: 2 (O), 5 (E)

HC-130 aircraft provide long-range air coverage over the entire Coast Guard area of responsibility. The primary role of these aircraft is to meet the long range maritime patrol requirements that cannot be accomplished by the medium range surveillance (MRS) CASA aircraft.

When the modernization and recapitalization project is complete, the LRS fleet will include a total of 22 fully missionized HC-130Js and some upgraded HC-130Hs with new center wing boxes.

The Coast Guard is improving the material condition and capability of 16 legacy HC-130H aircraft. New (SELEX) active electronically scanned array radar is replacing the APS-137 radar. The new radar is more reliable and capable than the legacy system. The aircraft will also receive new DF-430 direction-finding radio equipment. The new direction finder will use the international standard 406MHz distress beacon technology. Later modernization projects will include upgrades to the aircraft obsolete avionics and cockpit display suites as well as structural enhancements to extend the operational lives of the aircraft.

The HC-130H fleet is equipped with a Forward-Looking Infrared/Electro-Optical/Low-Light TV (FLIR/EO/LLTV) turret-mounted camera system. This system provides a 360-degree field-of-view and high-resolution software magnification allowing use at standoff ranges. In addition, a DAMA-compatible MILSATCOM receiver is installed. The FLIR/EO/LLTV interfaces with the HC-130H's radar, allowing automatic direction of the FLIR system, reducing the operator workload for the tactical sensor operator.

The first missionized HC-130J was delivered on January 24, 2008. HC-130J modifications include: the proven multimode EDO EL/M 2022A(V)3 maritime surface search radar, mounted beneath the plane's fuselage, and a nose-mounted APN- 241 weather radar, the electro-optical/infrared- FLIR Systems Star Safire III, DF- 430 UHF/VHF Direction Finder System, and SAAB Transponder Tech AB R4A Airborne Automatic Identification System (AIS).

Three HC-130J's were ordered in 2012 for delivery in 2016 at a cost of \$218 million. Two more were ordered in 2014 for delivery by 2017.

## **HC-144A/B Ocean Sentry Medium Range Search Aircraft**

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(USCG fact file)

Speed: 236 kts

Range: Up to 1,500-2,300 NM

Endurance: 10 Hours

Crew: 5

Sensors: ISAR Radar, EO/IR, AIS equipped

Quantity: 18

This fixed-wing turbo prop aircraft provides invaluable on-scene loitering capabilities and perform various missions, including maritime patrol, law enforcement, Search and Rescue (SAR), disaster response, and cargo & personnel transport. The Mission System Pallet is a roll-on, roll-off suite of electronic equipment that enables the aircrew to compile data from the aircraft's multiple integrated sensors and transmit and receive both classified "Secret"-level and unclassified information to other assets, including surface vessels, other aircraft, local law enforcement and shore facilities. With multiple voice and data communications capabilities, including UHF/VHF, HF, and Commercial Satellite Communications (SATCOM), the HC-144A will be able to contribute to a Common Tactical Picture (CTP) and Common Operating Picture (COP) through a networked Command and Control (C2) system that provides for data sharing via SATCOM. The aircraft is also equipped with a vessel Automatic Identification System, direction finding equipment, a surface search radar, an Electro-Optical/ Infra-Red system, and Electronic Surveillance Measures equipment to improve situational awareness and responsiveness.

The Coast Guard is upgrading its HC-144A aircraft to address obsolescence issues, improve situational awareness and increase overall mission effectiveness. Upon completion of this modification, called the Ocean Sentry Refresh, the aircraft will be designated HC-144B.

The key change is replacement of the cockpit control and display unit, which is used in flight management and serves as the primary avionics computer for communication control, navigation and equipment monitoring. The new CDU features active matrix display, a more powerful processor and other updated technologies that increase both performance and reliability. It also has the capabilities needed to comply with global air traffic management requirements, and its updated keyboard is easier to use in bad weather.

## **HC-27J Medium Range Search Aircraft**

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(USCG fact file)

Speed: 315 kts

Range: Up to 2,300 NM

Endurance: 10 Hours

Planned Quantity: 14

The C-27J is being integrated into the Coast Guard's Medium Range Surveillance Aircraft fleet, alongside the HC-144 Ocean Sentry.

The C-27Js will be instrumental in helping the Coast Guard fulfill its maritime patrol, drug and migrant interdiction, disaster response, and search and rescue missions more effectively.

Fourteen C-27J aircraft are being transferred to the Coast Guard under the National Defense Authorization Act for Fiscal Year 2014. Following regeneration and missionization, the C-27J aircraft will address the gap in maritime flight hours the service is currently facing.

Envisioned modifications will enhance the aircraft's current capability to detect, classify and identify maritime targets. Planned components will include an integrated surface search radar, electro-optical/infrared sensors and a standardized mission system being developed for all Coast Guard fixed wing aircraft.

The C-27J Asset Project Office has been stood up at Elizabeth City, North Carolina, and is supporting the acquisition and modernization of the C-27J aircraft system. The APO's missions include development of Coast Guard specific crew duties, procedures, technical manuals, curricula and test and evaluation reporting.

## **MH-60T Medium Range Recovery Helicopter**

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(USCG fact file)

The revised recapitalization plan retains and upgrades the Coast Guard's existing fleet of HH-60s rather than acquire new MRR replacement aircraft. The original Deepwater baseline had notionally selected the smaller AB-139 as the MRR. This aircraft was determined to be unsuitable to meet the post 9/11 Airborne Use of Force and Vertical Insertion/Vertical Delivery mission requirements. Plans call for 42 aircraft.

MH-60J Project:

The HH-60 was modernized with improved avionics and a new T700 turbine power plant. The hardened HH-60s received an Airborne Use of Force (AUF) package that provides the capability to fire warning and disabling shots from the air while providing for crew protection from small arms fire. When deployed from a Coast Guard flight deck-equipped cutter, this gives the cutter the ability to apply force against a maritime target up to 400NM away. The MRR additionally provides a Vertical Insertion and Vertical Delivery capability – the ability to deliver a 6-person interagency counter-terrorism or response team 200NM from a US shore or a Coast Guard flight deck equipped cutter.

MH-60T Project:

The MH-60T project was developed to enhance the multi-mission capabilities of the HH-60 aircraft. This project includes a number of upgrades to improve reliability and mission performance while also adding new capabilities such as the Electro-Optical/Infrared (EO/IR) Sensor System (ESS) and Airborne Use of Force (AUF) package.

The ESS, manufactured by FLIR Systems Inc. provides aircrews with enhanced search capabilities to locate, identify, and track surface targets day or night.

Among the upgrades, Rockwell Collins' Common Avionics Architecture System provides fully integrated flight and mission management capabilities. Using five multi-function display screens, aircrews can display radar and forward-looking-infrared data, monitor the Traffic Collision Avoidance System and view imagery fed into the cockpit from the rescue hoist camera. Enhanced radar and optical sensors also contribute to an improved common operating picture and maritime domain awareness.

The AUF package increases the MH-60T's capability by equipping it with a 7.62mm machine gun to fire warning shots and a .50 caliber long range rifle for precise targeting, such as disabling outboard engines. The package also provides ballistic armor for aircrew protection and upgraded communications systems

for better interoperability.

The first MH-60T, CG 6027, completed modifications at ALC in December 2007. The program is expected to be complete by 2020 at a cost of \$451 million.

USN SH-60F frames 164445 and 164804 are to/have become CG 6044 and 6045 respectively.

## **MH-65D/E Multi-Mission Cutter Helicopter (MCH)**

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(USCG fact file)

The H-65 Short Range Recovery helicopter was introduced to the U.S. Coast Guard in the mid-1980s, and is currently expected to remain in service through 2025.

The Coast Guard began the MCH Project in 2004 with the intent to increase, recapitalize and modernize its aging fleet of H-65 aircraft. The MCH Project grows the fleet by seven aircraft and provides the H-65 with a service life extension by replacing obsolete components with new technology—a digital Automatic Flight Control System, an integrated flight deck with sensor display screens, and a robust and effective C4ISR suite.

The program is broken up into six Discrete Segments:

### Discrete Segment 1 (H-65/MCH Phase I)

In response to safety and reliability concerns, this segment focused on replacing the LTS 101 engines with Turbomeca Arriel 2C2CG engines and associated components. Re-engined aircraft are designated HH-65C. Other improvements include strengthened landing gear, a new 10-bladed tail rotor and drive shaft that will allow the HH-65 to move horizontally to the left or right at 70 knots.

### Discrete Segment 2 (National Capital Region Air Defense)

This segment provides a NCRAD mission capability mandated by DHS by increasing the fleet size from 95 to 102 aircraft. The Coast Guard's role in the mission is to conduct helicopter operations in the National Capital Region to identify and intercept aircraft operating within the Washington, D.C. area.

### Discrete Segment 3 (Airborne Use of Force)

This segment provides the Coast Guard with an organic Airborne Use of Force (AUF) capability provided in AUF packages. The A-kit includes night vision goggle/infrared-compatible formation flying lights and cockpit displays, and an upgraded hailing system, mounts and internal stowage for ammunition and weapons. The AUF B-kit adds ballistic armor for aircrew protection, one M240 7.62mm general purpose machine gun and one RC50 .50 cal. precision rifle. The B-kit also provides a pilot's head-up display, night vision optics and a Forward Looking Infrared (FLIR) sensor.

The project also adds new communications systems –such as the AN/ARC-210 military satellite communications radio, AN/ARC-220 high frequency Automatic Link Establishment (ALE) radio, and the RT5000 multi-band radio, which connects an aircrew with federal, state & local law enforcement agencies and emergency services. The MCHs also will have a DF-430 direction finding system.

The new designation following these upgrades is MH-65C.

The MH-65C will additionally provide a Vertical Insertion and Vertical Delivery capability – the ability to deliver a 3-person interagency response team 50NM from shore or a Coast Guard flight deck-equipped cutter.

### Discrete Segment 4 (H-65/MCH Phase II)

This segment will build upon the MH-65C configuration developed during Discrete Segment 3 and addresses obsolete aircraft "safety of flight" subsystems that are no longer economically supportable. The



improvements include the replacement of the navigation system and six aircraft gyros with a dual digital embedded GPS/inertial navigation system aircraft will be designated MH-65D.

Flight testing on the first MH-65D, CG 6543, began in March at the Coast Guard Aviation Logistics Center in Elizabeth City, N.C. The MH-65D features a new flight navigation system which replaces the current compass, directional, yaw rate gyro systems, and GPS system. Initial Operating Capacity is expected to be reached during the 3rd quarter of FY10.

#### Discrete Segment 5 (Aircraft Ship Integrated Secure and Traverse)

In 2004, the Coast Guard decided that the Deepwater program, would be constructed with the ASIST system built by Indal Technologies, Inc. This discrete segment develops one prototype and nine additional ASIST-equipped H-65s that are compatible with the National Security Cutter for shipboard helicopter operations.

#### Discrete Segment 6 (H-65/MCH Phase III)

This segment is currently the final planned phase for H-65 upgrades. It addresses the remaining aircraft subsystem obsolescence issues and provides further enhanced capabilities, including replacement of the analog automatic flight control system with a digital system, a digital "glass" cockpit using common rotary wing avionics architecture, and digital weather radar. Following this upgrade, the aircraft will be designated as MH-65E.

## **C-37 Gulfstream V**

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(USCG fact file)

Pax: 19

A single VC-37A aircraft is assigned to Reagan National Airport to serve as a long-range command and control aircraft that can be used to provide transportation for high-level Coast Guard and Homeland Security officials. It is capable of nonstop flight to any location in the United States. It is known as Coast Guard 01 or 101. CG 01 is the only ACARS equipped CG aircraft and uses the ident "1".

The USCG leased another Gulfstream V in September 2011 after returning their C-143A.

## **Unmanned Aerial Systems (UAS) Program**

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The Coast Guard has developed a UAS acquisition strategy to acquire both low-altitude, cutter-based, tactical UASs and mid-altitude, land-based, long range UASs. The UAS acquisition strategy emphasizes commonality with existing DHS and DoD programs.

In November 2008, the Coast Guard experimented with dry-fitting the Navy's RQ-8 Fire Scout aboard the NSC. The tests, which did not involve launch and recovery from the cutter's flight deck, showed that an unmanned aircraft could be loaded, moved, and hangared aboard the NSC.

In 2008, U.S. Customs and Border Protection (CBP) and the Coast Guard established a Joint Program Office to coordinate maritime land-based UAS policy and operations. In 2009, CBP acquired its first maritime-variant Predator UAS, the MQ-9 Guardian. Coast Guard and CBP flight crews have jointly operated the Guardian at Cape Canaveral Air Force Station, Fla., and Corpus Christi, Texas, since 2010.

For cutter-based UAS solutions, the Coast Guard is monitoring the U.S. Navy's ship-based UAS program. While awaiting progression on the major system acquisition, the Coast Guard is pursuing a non-major acquisition of a small UAS for the NSC as an interim, cost-effective UAS capability.

## **Aircraft Crashes & Accidents**

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(Since 1993)

MH-65C # 6535 crashed in Mobile Bay, AL on February 28th, 2012 while conducting a night training mission.

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July 7, 2010 - MH-60T # 6017 en route from Astoria, Oregon to Sitka, Alaska crashed into the water off James Island, WA at 9:32 a.m. after striking power lines with it's tail.

Three of four crewmembers were killed.

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April 29, 2010 - MH-65C # 6581 from CGAS Humboldt Bay crashed at the airport in Arcata at 10:55 a.m. The crew was conducting a training mission at the time of the incident.

All three aviators walked away from the incident.

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April 20, 2010 - HH-65C # 6523 crashed during a nighttime training evolution in southern Lake Huron at approximately 9:45 p.m. The helicopter crew was conducting nighttime hoist training with Station Port Huron when the aircraft crashed into the water.

All three crew members were able to safely exit the helicopter and were recovered by the crew of a Station Port Huron 41-foot utility boat.

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March 3, 2010 - MH-60T # 6028 crashed 40 miles southeast of Salt Lake City, Utah at 10:30am.

The helicopter was returning from the Winter Olympic Games in Vancouver. The aircraft refueled in Salt Lake City and planned on flying to Colorado it went down in the snow.

All five people on board survived the crash.

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November 17, 2009 - HU-25 # 2139 suffered a collapsed nose landing gear while landing at Eagle County Regional Airport in Gypsum, Colorado.

The Corpus Christi based aircraft had been conducting a training flight in the area. Upon landing, the crew noticed an abnormal vibration before the nose landing gear collapsed causing the aircraft to skid down the runway. The crew deployed a dragchute, which helped the Falcon decelerate and come to a stop 500 feet from the end of the runway.

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October 29, 2009 - HC-130H # 1705 collided with a Marine helicopter and crashed into the ocean 15 miles east of San Clemente Island off the coast of San Diego.

The Sacramento based aircraft was searching for an overdue 12-foot pleasure craft when there was a collision with a Marine Corps AH-1 Cobra helicopter at 1915 Pacific local time.

The seven man crew perished.

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September 4, 2008 - HH-65C # 6505 crashed approximately five miles south of Honolulu International Airport.

The helicopter's crew had just completed search and rescue drills with a 47-foot motor lifeboat from Station Honolulu when it went down at 8:15 p.m. The Coast Guard was notified by the FAA and immediately launched a C-130 search plane from Air Station Barbers Point.

A crew on board an inbound Air Force C-17 to Honolulu International saw the Coast Guard helicopter go down and circled the site until a rescue boat from the Honolulu Fire Department could get on scene.

The four man crew perished.

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June 28, 2006 - HC-130H # 1710 suffered damage during landing on St. Paul Island, in the Bering Sea. The Kodiak based aircraft was on a logistics mission, transporting equipment. After the aircraft touched down, it departed the left side of the runway, damaging the right wing and separating one of the four propellers. The aircraft came to rest 50 yards left of the runway. There were no reported injuries to the nine Coast Guard personnel on board the aircraft.

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February 11, 2006 - HH-65B # 6546 from CGAS Humboldt Bay crashed into the surf off Eureka, CA while rescuing several persons in the water. The crew survived without injury. The helo washed ashore.

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December 8, 2004 - HH-60J # 6020 from CGAS Kodiak was evacuating crewmembers off the grounded Malaysian freighter Selendang Ayu off Unalaska Island when it was engulfed by a huge wave of water. The engines flamed out and the helicopter fell into the sea. An HH-65 rescued the three Coast Guard aviators, who were wearing survival suits, and one of the crewmen. After transporting the four crash survivors to Dutch Harbor, the HH-65 returned to hoist the 6020 rescue swimmer and Selendang Ayu master from the bow section of the sinking vessel.

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June 8, 1997 - HH-65A # 6549 from CGAS Humboldt Bay was responding to a sailing vessel taking on water at night in poor weather conditions and high seas. It is believed that the aircraft impacted the water while attempting to make an approach to the vessel. The four man crew perished.

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July 12, 1994 - HH-65A # 6541 from CGAS Humboldt Bay was responding to a grounded sailing vessel. It was dark and the weather was poor as the crew attempted to descend through the fog to assist the vessel in distress. The helicopter impacted the side of a cliff and the entire four man crew was lost.

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August 31, 1993 - HH-65A # 6594 from CGAS Brooklyn was delivering aids to navigation personnel and equipment to the Ambrose light tower. The helicopter landed short of the elevated helipad. The left main gear struck the edge of the pad, resulting in a rollover. The aircraft fell to the sea 100 feet below. Both pilots perished in the accident.

## **USCG Surface Asset Guide**

### **Legends Class National Security Cutter (NSC/WMSL)**

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Length: 418 feet

Speed: 28 kts  
 Displacement: 4,300 tons  
 Range: 12,000 nautical miles  
 Propulsion: CODAG (Combined Diesel and Gas) 1 Gas Turbine, 2 Diesels/Bow Thruster  
 Endurance: 60 Days  
 Aircraft: (2) H-60/H-65 helicopters or (4) VUAV unmanned aircraft  
 Boats: (2) Long Range Interceptors operating up to 200 miles away from NSC and (1) Short Range Prosecutor  
 Crew (max): 18 Officers, 106 Enlisted  
 Armament: 57mm gun and MK 160 Gun Fire Control System, Close-In Weapons System with a SLQ-32 Electronic Warfare System, cruise-missile defenses with countermeasures consisting of SRBOC/NULKA chaff and rapid decoy launcher and Specific Emitter Identification (SEI) Sensor System that identifies other boats by their unique noise and radio waves. Will also include CBR defense capabilities. Four .50 cal machine guns also.  
 Cost per unit: \$355 million  
 Planned Quantity: 6-8 cutters

| Hull     | Name     | INT. C/S | Homeport       | Remarks |
|----------|----------|----------|----------------|---------|
| WMSL 750 | Bertholf | NBCQ     | Alameda, CA    |         |
| WMSL 751 | Waesche  | NBGN     | Alameda, CA    |         |
| WMSL 752 | Stratton | NHTC     | Alameda, CA    |         |
| WMSL 753 | Hamilton | NMAG     | Charleston, SC |         |
| WMSL 754 | James    | NJAM     | Charleston, SC |         |
| WMSL 755 | Munro    | NDFD     | Alameda, CA    |         |
| WMSL 756 | Kimball  |          | Honolulu, HI   |         |
| WMSL 757 | Midgett  | NHWR     | Honolulu, HI   |         |

The NSC was designed to be the flagship of the fleet – capable of meeting all maritime security mission needs. The NSC contributes to Intelligence Collection/Information Sharing through a sophisticated S/SCIF, SEI sensors and increased data exchange bandwidth. The NSC’s DoD interoperability capabilities are enhanced with DHS and local responder interoperable radio communications. The NSC flight deck accommodates all variants of DHS and DoD HH-60 helicopters to provide enhanced interoperability with interagency and inter-service counter-terrorism teams. The NSC will now be fully integrated with the National Distress Response Modernization Program, known as RESCUE 21, which will provide the port commanders with real-time tracking of the NSC and seamless Common Operational Picture/MDA data sharing, including the Automated Identification System (AIS). The NSC Anti-Terrorism/Force Protection suite will include underwater sonar that will allow the cutter to scan ports, approaches, facilities and high-value assets for underwater, mine like devices and detect swimmers. The cutter’s small arms mounts will be remote operated and fully integrated with the cutter’s radar and infrared sensors such that the cutter and high-value assets under its protection can be protected from a USS COLE-like incident. The Maritime Security Capabilities allow cutter’s weapons and command and control suite to be upgraded and hardened to better survive potential terrorist incidents and process increased data flow. This will include SRBOC/NULKA missile defense system with CIWS, SLQ-32, and a medium caliber deck gun (57MM) that will provide the ability to stop rogue merchant vessels far from shore. An integrated CBRNE Detection and Defense capability allows the NSC to remain on scene and operate in Weapons of Mass Destruction (WMD) scenarios.

## Hamilton Class High-Endurance Cutter

Length: 378 feet  
 Speed: 29 kts  
 Displacement: 3,300 tons  
 Range: 9,000 nautical miles  
 Propulsion: CODAG (Combined Diesel and Gas) 2 Gas Turbines, 2 Diesels

Aircraft: 1 MH-65 helicopter

Crew: 167

Years Built: 1967-1972

Armament: 76mm gun, 1 20mm Phalanx CIWS, cruise-missile defenses with countermeasures consisting of 2 SRBOC chaff and rapid decoy launchers. Two .50 caliber machine guns, 2 25mm Bushmaster guns.

Remarks: Large frigate-like patrol ships, intended for open-ocean, long-range operations. Equipped with SIPRNET. The 378-foot cutters typically operate 185 days away from home port per year.

| Hull     | Name       | INT. C/S | Homeport     | Remarks |
|----------|------------|----------|--------------|---------|
| WHEC 717 | Mellon     | NMEL     | Seattle, WA  |         |
| WHEC 720 | Sherman    | NMMJ     | Honolulu, HI |         |
| WHEC 722 | Morgenthau | NDWA     | Alameda, CA  |         |
| WHEC 724 | Munro      | NGDF     | Kodiak, AK   |         |
| WHEC 726 | Midgett    | NHWR     | Seattle, WA  |         |

### **Offshore Patrol Cutter (OPC/WMSM)**

Length: 360 feet

Displacement: 3,200 Tons

Speed: 22 kts

Range: 10,200 nautical miles

Propulsion: 2 Diesels

Endurance: 60 Days

Aircraft: 1 H-65

Boats: 3 OTH

Crew: 16 Officers, 75 Enlisted

Armament: 57mm gun, MK15 CIWS, SLQ-32, SRBOC/NULKA

Number planned: 25

OPC will feature increased range and endurance (60 day patrol cycles); more powerful weapons; larger flight decks; chem-bio & radiological environmental hazard detection and defense; and improved C4ISR equipment. The cutters will be equipped with air and surface search radars and target classification sensors. The cutters' mission influence will be extended by aircraft and a new generation of cutter boats.

The WMSM cutters will have stern ramp to accommodate small boat launch and recovery in higher sea states than conventional davit systems aboard legacy cutters. The new generation of cutter boats, including the Long Range Interceptor and Short Range Prosecutor, improve a cutter crew's over-the-horizon and local force protection capabilities.

### **Famous Class Medium-Endurance Cutter**

Length: 270 feet

Speed: 19 kts

Displacement: 1,800 tons

Range: 12,000 nautical miles

Propulsion: 2 Diesels

Aircraft: 1 MH-65 helicopter

Crew: 100

Years Built: 1983-1991

Armament: 76mm gun, cruise-missile defenses with countermeasures consisting of 2 SRBOC chaff and rapid decoy launchers and SLQ-32 EW system. Two .50 caliber machine guns.

Remarks: Multipurpose cutters designed for general patrol duties; fitted with a telescoping helicopter

hangar. Designed for 14-day patrols, they are commonly forced to carry out 90-day patrols in the Caribbean. Equipped with ALE & SIPRNET.

| Hull     | Name         | INT. C/S | Homeport       | Remarks |
|----------|--------------|----------|----------------|---------|
| WMEC 901 | Bear         | NRKN     | Portsmouth, VA |         |
| WMEC 902 | Tampa        | NIKL     | Portsmouth, VA |         |
| WMEC 903 | Harriet Lane | NHNC     | Portsmouth, VA |         |
| WMEC 904 | Northland    | NLGF     | Portsmouth, VA |         |
| WMEC 905 | Spencer      | NWHE     | Boston, MA     |         |
| WMEC 906 | Seneca       | NFMK     | Boston, MA     |         |
| WMEC 907 | Escanaba     | NNAS     | Boston, MA     |         |
| WMEC 908 | Tahoma       | NCBE     | Kittery, ME    |         |
| WMEC 909 | Campbell     | NRDC     | Kittery, ME    |         |
| WMEC 910 | Thetis       | NYWL     | Key West, FL   |         |
| WMEC 911 | Forward      | NICB     | Portsmouth, VA |         |
| WMEC 912 | Legare       | NRPM     | Portsmouth, VA |         |
| WMEC 913 | Mohawk       | NRUF     | Key West, FL   |         |

### Reliance Class Medium-Endurance Cutter

Length: 210 feet  
 Speed: 18 kts  
 Displacement: 1,020 tons  
 Range: 12,000 nautical miles  
 Propulsion: 2 Diesels  
 Aircraft: 1 MH-65 helicopter  
 Crew: 75  
 Years Built: 1964-1969  
 Armament: 1 25mm gun, two .50 caliber machine guns.  
 Remarks: Equipped with SIPRNET.

| Hull     | Name       | INT. C/S | Homeport           | Remarks |
|----------|------------|----------|--------------------|---------|
| WMEC 615 | Reliance   | NJPJ     | Kittery, ME        |         |
| WMEC 616 | Diligence  | NMUD     | Wilmington, NC     |         |
| WMEC 617 | Vigilant   | NHIC     | Cape Canaveral, FL |         |
| WMEC 618 | Active     | NRTF     | Port Angeles, WA   |         |
| WMEC 619 | Confidence | NHKW     | Cape Canaveral, FL |         |
| WMEC 620 | Resolute   | NRLT     | St. Petersburg, FL |         |
| WMEC 621 | Valiant    | NVAI     | NS Mayport, FL     |         |
| WMEC 623 | Steadfast  | NSTF     | Astoria, OR        |         |
| WMEC 624 | Dauntless  | NDTS     | Galveston, TX      |         |
| WMEC 625 | Venturous  | NVES     | St. Petersburg, FL |         |
| WMEC 626 | Dependable | NOWK     | Little Creek, VA   |         |
| WMEC 627 | Vigorous   | NQSP     | Little Creek, VA   |         |
| WMEC 629 | Decisive   | NUHC     | Pascagoula, MS     |         |
| WMEC 630 | Alert      | NZVE     | Astoria, OR        |         |

### Alex Haley Class Large Patrol Cutter

Length: 282 feet  
 Speed: 18 kts

Displacement: 3,000 tons  
 Range: 12,000 nautical miles  
 Propulsion: 4 Diesels  
 Aircraft: 1 MH-65/MH-60 helicopter  
 Crew: 99  
 Built: 1971

Armament: 2 25mm guns, two .50 caliber machine guns.  
 Remarks: Former USN salvage tug transferred to USCG and converted to operate in Alaskan waters as a patrol and rescue ship. The conversion included addition of a helicopter deck aft. The ship retains a heavy towing capability, but most salvage gear was removed. A helo hangar has now been added.

| Hull    | Name       | INT. C/S | Homeport   | Remarks |
|---------|------------|----------|------------|---------|
| WMEC 39 | Alex Haley | NZPO     | Kodiak, AK |         |

### Sentinel Class Fast Response Cutter

Length: 153 feet  
 Displacement: 353 tons  
 Speed: 28 kts  
 Propulsion: 2 diesels  
 Endurance: 5 days  
 Aircraft: None  
 Boats: 1 SRP  
 Crew: 2 Officers, 20 Enlisted  
 Armament: 1-25mm remote chain gun, 4-.50 cal machine guns  
 Planned Quantity: 58 cutters  
 Remarks: Replacement for the 110-foot patrol boats. Damen 4708 design built by Bollinger Shipyards.

The Coast Guard awarded a contract option for approximately \$141 million to Bollinger Shipyards of Lockport, La., on December 15, 2009 to begin production on three Sentinel-class Fast Response Cutters (FRC).

The current Sentinel contract is worth up to \$1.5 billion if all options for 34 cutters are exercised. The Coast Guard plans to build 58 Sentinel-class Fast Response Cutters.

| Hull     | Name                | INT. C/S | Homeport     | Remarks |
|----------|---------------------|----------|--------------|---------|
| WPC 1101 | Bernard C. Webber   | NPEG     | Miami, FL    |         |
| WPC 1102 | Richard Etheridge   | NJFB     | Miami, FL    |         |
| WPC 1103 | William Flores      | NILB     | Miami, FL    |         |
| WPC 1104 | Robert Yered        | NAGP     | Miami, FL    |         |
| WPC 1105 | Margaret Norvell    | NFPE     | Miami, FL    |         |
| WPC 1106 | Paul Clark          | NAAD     | Miami, FL    |         |
| WPC 1107 | Charles David       | NAKJ     | Key West, FL |         |
| WPC 1108 | Charles Sexton      | NDRA     | Key West, FL |         |
| WPC 1109 | Kathleen Moore      | NDVB     | Key West, FL |         |
| WPC 1110 | Raymond Evans       | NEJA     | Key West, FL |         |
| WPC 1111 | William Trump       | NECW     | Key West, FL |         |
| WPC 1112 | Isaac Mayo          | NEAP     | Key West, FL |         |
| WPC 1113 | Richard Dixon       |          | San Juan, PR |         |
| WPC 1114 | Heriberto Hernandez |          | San Juan, PR |         |
| WPC 1115 | Joseph Napier       |          | San Juan, PR |         |
| WPC 1116 | Winslow Griesser    |          | San Juan, PR |         |
| WPC 1117 | Donald Horsley      | NDOE     | San Juan, PR |         |

|          |                 |                   |
|----------|-----------------|-------------------|
| WPC 1118 | Joseph Tezanos  | San Juan, PR      |
| WPC 1119 | Rollin Fritch   | Cape May, NJ      |
| WPC 1120 | Lawrence Lawson | Cape May, NJ      |
| WPC 1121 | John McCormick  | Ketchikan, Alaska |
| WPC 1122 | Bailey Barco    | Ketchikan, Alaska |
| WPC 1123 | Benjamin Dailey |                   |
| WPC 1124 |                 |                   |
| WPC 1125 | Jacob Poroo     |                   |

## 110 Foot Island Class Patrol Boat

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Length: 110 feet

Speed: 29 kts

Displacement: 154 tons

Range: 1,900 nautical miles

Propulsion: 2 Diesels

Aircraft: none

Crew: 16

Built: 1986-1992

Armament: 1 25mm Bushmaster gun, two .50 cal machine guns

Remarks: General-purpose patrol boats, suited mainly for SAR and law enforcement. They were constructed in three batches, with various improvements and changes. Although intended for 10-14 day local patrols, they are making Caribbean patrols of up to 60 days. Planned for a service life of only 15 years. Conversion of 110 foot boats to 123 feet was stopped at 8 hulls.

The 110' cutters have received Mission Effectiveness Program (MEP) updates which will add 15 years to their life. All the 110' MEP cutters receive hull renewal plus electronics upgrades, renewed electric cabling, new ship surface diesel generator and switchboard replacement, the FM-200 fire suppression installation, gyrocompass & autopilot installation, and the main diesel engine control replacement.

| Hull     | Name       | INT. C/S | Homeport           | Remarks             |
|----------|------------|----------|--------------------|---------------------|
| WPB 1304 | Maui       | NBEI     | Miami Beach, FL    | Deployed to CENTCOM |
| WPB 1307 | Ocracoke   | NGBL     | South Portland, ME | MEP modified        |
| WPB 1309 | Aquidneck  | NBTC     | Atlantic Beach, NC | Deployed to CENTCOM |
| WPB 1310 | Mustang    | NJSH     | Seward, AK         |                     |
| WPB 1311 | Naushon    | NEWR     | Ketchikan, AK      | MEP modified        |
| WPB 1312 | Sanibel    | NDCK     | Woods Hole, MA     | MEP modified        |
| WPB 1313 | Edisto     | NLKY     | San Diego, CA      | MEP modified        |
| WPB 1318 | Baranof    | NCUI     | Miami Beach, FL    | Deployed to CENTCOM |
| WPB 1319 | Chandeleur | NFFS     | Valdez, AK         |                     |
| WPB 1322 | Cuttyhunk  | NEDI     | Port Angeles, WA   | MEP modified        |
| WPB 1324 | Key Largo  | NGEI     | Gloucester, MA     |                     |
| WPB 1326 | Monomoy    | NKEC     | Woods Hole, MA     | Deployed to CENTCOM |
| WPB 1327 | Orcas      | NTBZ     | Coos Bay, OR       |                     |
| WPB 1329 | Sitkinak   | NBNW     | Bayonne, NJ        | MEP modified        |
| WPB 1330 | Tybee      | NERH     | Woods Hole, MA     | MEP modified        |
| WPB 1331 | Washington | NVMJ     | Apra Harbor, Guam  |                     |
| WPB 1332 | Wrangell   | NFWC     | South Portland, ME | Deployed to CENTCOM |
| WPB 1333 | Adak       | NZRW     | Sandy Hook, NJ     | Deployed to CENTCOM |
| WPB 1334 | Liberty    | NJHT     | Auke Bay, AK       |                     |
| WPB 1335 | Anacapa    | NEXY     | Petersburg, AK     | MEP modified        |
| WPB 1336 | Kiska      | NUSF     | Hilo, HI           |                     |
| WPB 1337 | Assateague | NDRV     | Apra Harbor, Guam  |                     |



### 87 Foot Marine Protector Class Patrol Boat

Length: 87 feet

Speed: 25 kts

Displacement: 91 tons

Range: 900 nautical miles

Propulsion: 2 Diesels

Aircraft: none

Crew: 10

Built: 1998-2005

Armament: Two .50 cal machine guns

Remarks: The 87' Coastal Patrol Boat has several enhancements over the 82s, including improved mission sea keeping abilities (up to sea state 5) and significantly upgraded habitability. It also employs an innovative stern launch and recovery system using an Aluminum hulled inboard diesel powered water jet small boat. The vastly larger pilot house is equipped with an integrated bridge system including an electronic chart display system (ECDIS) which interfaces with the CG's new surface search radar. SWIII computers along with a fiber optic network will also be installed, allowing the crew to access the vessel's CD-ROM tech pubs and drawings.

| Hull      | Name       | INT. C/S | Homeport          | Remarks |
|-----------|------------|----------|-------------------|---------|
| WPB 87301 | Barracuda  | NIUD     | Eureka, CA        |         |
| WPB 87302 | Hammerhead | NHAM     | Woods Hole, MA    |         |
| WPB 87303 | Mako       | NYVC     | Cape May, NJ      |         |
| WPB 87304 | Marlin     | NJZP     | Ft. Meyers, FL    |         |
| WPB 87305 | Stingray   | NBRG     | Mobile, AL        |         |
| WPB 87306 | Dorado     | NJEC     | Crescent City, CA |         |
| WPB 87307 | Osprey     | NBRF     | Port Townsend, WA |         |
| WPB 87308 | Chinook    | NZPU     | New London, CT    |         |
| WPB 87309 | Albacore   | NZRG     | Little Creek, VA  |         |
| WPB 87310 | Tarpon     | NTWX     | Tybee Island, GA  |         |
| WPB 87311 | Cobia      | NTXJ     | Mobile, AL        |         |
| WPB 87312 | Hawkbill   | NTXR     | Monterey, CA      |         |
| WPB 87313 | Cormorant  | NTMF     | Ft. Pierce, FL    |         |
| WPB 87314 | Finback    | NTMR     | Cape May, NJ      |         |
| WPB 87315 | Amberjack  | NTMV     | Port Isabel, TX   |         |
| WPB 87316 | Kittiwake  | NTNL     | Nawiliwili, HI    |         |
| WPB 87317 | Blackfin   | NTQA     | Santa Barbara, CA |         |
| WPB 87318 | Bluefin    | NRKI     | Ft. Pierce, FL    |         |
| WPB 87319 | Yellowfin  | NRKG     | Charleston, SC    |         |
| WPB 87320 | Manta      | NRKD     | Freeport, TX      |         |
| WPB 87321 | Coho       | NARU     | Panama City, FL   |         |
| WPB 87322 | Kingfisher | NPAL     | Mayport, FL       |         |
| WPB 87323 | Seahawk    | NZTM     | Carrabelle, FL    |         |
| WPB 87324 | Steelhead  | NITU     | Port Aransas, TX  |         |
| WPB 87325 | Beluga     | NZSR     | Little Creek, VA  |         |
| WPB 87326 | Blacktip   | NMHU     | Oxnard, CA        |         |
| WPB 87327 | Pelican    | NFSH     | Abbeville, LA     |         |
| WPB 87328 | Ridley     | NRDD     | Montauk, NY       |         |
| WPB 87329 | Cochito    | NDCV     | Little Creek, VA  |         |
| WPB 87330 | Man-O-War  | NJQA     | Galveston, TX     |         |
| WPB 87331 | Moray      | NJZP     | Jonesport, ME     |         |
| WPB 87332 | Razorbill  | NJSJ     | Gulfport, MS      |         |

|           |             |      |                     |                             |
|-----------|-------------|------|---------------------|-----------------------------|
| WPB 87333 | Adelie      | NTRK | Port Angeles, WA    |                             |
| WPB 87334 | Gannet      | NUGW | Fort Lauderdale, FL |                             |
| WPB 87335 | Narwhal     | NTHA | Corona Del Mar, CA  |                             |
| WPB 87336 | Sturgeon    | NTGT | Grand Isle, LA      |                             |
| WPB 87337 | Sockeye     | NAVC | Bodega Bay, CA      |                             |
| WPB 87338 | Ibis        | NWBC | Cape May, NJ        |                             |
| WPB 87339 | Pompano     | NVIP | Gulfport, MS        |                             |
| WPB 87340 | Halibut     | NNGH | Marina Del Rey, CA  |                             |
| WPB 87341 | Bonito      | NNGB | Pensacola, FL       |                             |
| WPB 87342 | Shrike      | NPBG | Port Canaveral, FL  |                             |
| WPB 87343 | Tern        | NEOT | San Francisco, CA   |                             |
| WPB 87344 | Heron       | NEPM | Sabine, TX          |                             |
| WPB 87345 | Wahoo       | NEOB | Port Angeles, WA    |                             |
| WPB 87346 | Flying Fish | NAXN | Boston, MA          |                             |
| WPB 87347 | Haddock     | NAXP | San Diego, CA       |                             |
| WPB 87348 | Brant       | NAYS | Corpus Christi, TX  |                             |
| WPB 87349 | Shearwater  | NAYT | Portsmouth, VA      |                             |
| WPB 87350 | Petrel      | NAYU | San Diego, CA       |                             |
| WPB 87352 | Sea Lion    | NSDA | Bellingham, WA      |                             |
| WPB 87353 | Skipjack    | NFOY | Galveston, TX       |                             |
| WPB 87354 | Dolphin     | NAYL | Miami, FL           |                             |
| WPB 87355 | Hawk        | NAWH | St. Petersburg, FL  |                             |
| WPB 87356 | Sailfish    | NCNF | Sandy Hook, NJ      |                             |
| WPB 87357 | Sawfish     | NBCU | Key West, FL        |                             |
| WPB 87358 | Swordfish   | NMXB | Port Angeles, WA    |                             |
| WPB 87359 | Tiger Shark |      | Newport, RI         |                             |
| WPB 87360 | Blue Shark  |      | Everett, WA         |                             |
| WPB 87361 | Sea Horse   | NEMY | Portsmouth, VA      |                             |
| WPB 87362 | Sea Otter   | NJOM | San Diego, CA       |                             |
| WPB 87363 | Manatee     | NDHH | Ingleside, TX       |                             |
| WPB 87364 | Ahi         |      | Honolulu, HI        |                             |
| WPB 87365 | Pike        |      | San Francisco, CA   |                             |
| WPB 87366 | Terrapin    | NUOA | Bellingham, WA      |                             |
| WPB 87367 | Sea Dragon  | NNGC | Kings Bay, GA       | Assigned to MFPU Kings Bay  |
| WPB 87368 | Sea Devil   | NSDD | Bangor, WA          |                             |
| WPB 87369 | Crocodile   |      | St. Petersburg, FL  |                             |
| WPB 87370 | Diamondback | NWGD | Miami, FL           |                             |
| WPB 87371 | Reef Shark  | NTBD | San Juan, PR        |                             |
| WPB 87372 | Alligator   | NYNA | St. Petersburg, FL  |                             |
| WPB 87373 | Sea Dog     | NOUA | Kings Bay, GA       | Assigned to MFPU Kings Bay  |
| WPB 87374 | Sea Fox     |      | Bangor, WA          | Assigned to MFPU Bangor, WA |

## Healy Class Icebreaker

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Length: 420 feet  
Speed: 17 kts  
Displacement: 16,400 tons  
Range: 16,000 nautical miles  
Propulsion: 4 Diesels  
Aircraft: 2 MH-65s  
Crew: 75  
Built: 1999

| Hull | Name | INT. C/S | Homeport | Remarks |
|------|------|----------|----------|---------|
|------|------|----------|----------|---------|

-----  
WAGB 20 Healy NEPP Seattle, WA

### **Polar Class Icebreaker**

-----

Length: 399 feet  
Speed: 20 kts  
Displacement: 16,400 tons  
Range: 28,000 nautical miles  
Propulsion: 3 Gas Turbines, 6 Diesels  
Aircraft: 2 MH-65s  
Crew: 134  
Built: 1976  
Armament: none

Remarks: These cutters, specifically designed for open-water icebreaking have reinforced hulls, special icebreaking bows, and a system that allows rapid shifting of ballast to increase the effectiveness of their icebreaking. They serve in Arctic/Antarctic serving science and research as well as providing supplies to remote stations. Both Polar Class icebreakers are under the control of Pacific Area, Ice Operations Section.

| Hull    | Name       | INT. C/S | Homeport    | Remarks    |
|---------|------------|----------|-------------|------------|
| WAGB 10 | Polar Star | NBTM     | Seattle, WA |            |
| WAGB 11 | Polar Sea  | NRUO     | Seattle, WA | Mothballed |

### **Great Lakes Class Icebreaker**

-----

Length: 240 feet  
Speed: 15 kts  
Displacement: 3,500 tons  
Range: 4,000 nautical miles  
Propulsion: 3 Diesels, Bow Thruster  
Aircraft: none  
Crew: 50  
Built: 2005  
Armament: none

Remarks: A new icebreaker to replace the current Mackinaw. A dual icebreaker/buoy tender combination.

| Hull    | Name     | INT. C/S | Homeport      | Remarks |
|---------|----------|----------|---------------|---------|
| WLBB 30 | Mackinaw | NBGB     | Cheboygan, MI |         |

### **Juniper Class Seagoing Buoy Tender**

-----

Length: 225 feet  
Speed: 15 kts  
Displacement: 2,000 tons  
Range: 6,000 nautical miles  
Propulsion: 2 Diesels  
Crew: 40  
Built: 1996-2004  
Armament: Two .50 cal machine guns

Remarks: These are large, highly capable, multirole ships. There is a 15-ton hydraulic crane forward and there is a built-in oil spill recovery system. 45 day endurance. Capable of operations in 8-foot seas. Freshwater icebreaking capability. The 225' WLB is equipped with a single controllable pitch propeller, bow and stern thrusters which give the cutter the maneuverability it needs to tend buoys offshore and in restricted waters. Some are ALE equipped.

| Hull    | Name      | INT. C/S | Homeport           | Remarks |
|---------|-----------|----------|--------------------|---------|
| WLB 201 | Juniper   | NDBC     | Newport, RI        |         |
| WLB 202 | Willow    | NIIW     | Newport, RI        |         |
| WLB 203 | Kukui     | NKJU     | Honolulu, HI       |         |
| WLB 204 | Elm       | NRPK     | Atlantic Beach, NC |         |
| WLB 205 | Walnut    | NZNE     | Honolulu, HI       |         |
| WLB 206 | Spar      | NJAR     | Kodiak, AK         |         |
| WLB 207 | Maple     | NWBE     | Sitka, AK          |         |
| WLB 208 | Aspen     | NTUG     | San Francisco, CA  |         |
| WLB 209 | Sycamore  | NTGG     | Cordova, AK        |         |
| WLB 210 | Cypress   | NCPI     | Mobile, AL         |         |
| WLB 211 | Oak       | NAXQ     | Charleston, SC     |         |
| WLB 212 | Hickory   | NAZJ     | Homer, AK          |         |
| WLB 213 | Fir       | NAYV     | Astoria, OR        |         |
| WLB 214 | Hollyhock | NHHF     | Port Huron, MI     |         |
| WLB 215 | Sequoia   | NBHF     | Apra Harbor, Guam  |         |
| WLB 216 | Alder     | NGML     | Duluth, MI         |         |

### Keeper Class Coastal Buoy Tender

Length: 175 feet

Speed: 12 kts

Displacement: 840 tons

Range: 2,000 nautical miles

Propulsion: 2 Diesels, 2 Z-Drives

Crew: 24

Built: 1996-2000

Remarks: Scaled-down version of the Juniper class with a 10 ton hydraulic crane forward; freshwater icebreaking capability, and oil spill recovery system. They are the first Coast Guard cutters equipped with Z-Drive propulsion units instead of the standard propeller and rudder configuration. They are designed to independently rotate 360 degrees. Combined with a thruster in the bow, they give the Keeper -class cutters unmatched maneuverability.

| Hull    | Name             | INT. C/S | Homeport           | Remarks |
|---------|------------------|----------|--------------------|---------|
| WLM 551 | Ida Lewis        | NISS     | Newport, RI        |         |
| WLM 552 | Katherine Walker | NKFW     | Bayonne, NJ        |         |
| WLM 553 | Abbie Burgess    | NVAF     | Rockland, ME       |         |
| WLM 554 | Marcus Hanna     | NMGH     | South Portland, ME |         |
| WLM 555 | James Rankin     | NUVD     | Baltimore, MD      |         |
| WLM 556 | Joshua Appleby   | NJTH     | St. Petersburg, FL |         |
| WLM 557 | Frank Drew       | NKDL     | Portsmouth, VA     |         |
| WLM 558 | Anthony Petit    | NERW     | Ketchikan, AK      |         |
| WLM 559 | Barbara Mabrity  | NERA     | Mobile, AL         |         |
| WLM 560 | William Tate     | NNIA     | Philadelphia, PA   |         |
| WLM 561 | Harry Claiborne  | NNIC     | Galveston, TX      |         |
| WLM 562 | Maria Bray       | NTUU     | Mayport, FL        |         |
| WLM 563 | Henry Blake      | NTVT     | Seattle, WA        |         |

WLM 564 George Cobb NTVY San Pedro, CA

### 100 Foot Inland Buoy Tender

---

Length: 100 feet  
Speed: 10 kts  
Displacement: 226 tons  
Range: 2,700 nautical miles  
Propulsion: 2 Diesels  
Crew: 15  
Built: 1945, 1964

| Hull    | Name      | INT. C/S | Homeport            | Remarks |
|---------|-----------|----------|---------------------|---------|
| WLI 313 | Bluebell  | NODD     | Portland, OR        |         |
| WLI 642 | Buckthorn | NADT     | Sault St. Marie, MI |         |

### 65 Foot Inland Buoy Tender

---

Length: 65 feet  
Speed: 10 kts  
Displacement: 70 tons  
Range: 1,300 nautical miles  
Propulsion: 2 Diesels  
Crew: 8  
Built: 1946-1954

| Hull      | Name       | INT. C/S | Homeport       | Remarks            |
|-----------|------------|----------|----------------|--------------------|
| WLI 65303 | Blackberry |          | Long Beach, NC | Decom in FY 09     |
| WLI 65400 | Bayberry   | NAAR     | Portsmouth, VA | Mothballed 12-6-05 |
| WLI 65401 | Elderberry | NAAT     | Petersburg, AK |                    |

### 160 Foot Inland Construction Tender

---

Length: 160 feet  
Speed: 11 kts  
Displacement: 460 tons  
Range: 5,350 nautical miles  
Propulsion: 2 Diesels  
Crew: 14  
Built: 1976-1977  
Remarks: Large, modern inland construction tenders. Self-contained ships, not requiring a separate work barge; they have a large crane on a long working deck.

| Hull     | Name     | INT. C/S | Homeport        | Remarks |
|----------|----------|----------|-----------------|---------|
| WLIC 800 | Pamlico  | NAYE     | New Orleans, LA |         |
| WLIC 801 | Hudson   | NCWX     | Miami, FL       |         |
| WLIC 802 | Kennebec | NRDJ     | Portsmouth, VA  |         |
| WLIC 803 | Saginaw  | NJOY     | Mobile, AL      |         |

## 100 Foot Inland Construction Tender

---

Length: 100 feet  
Speed: 10 kts  
Displacement: 218 tons  
Range: 2,700 nautical miles  
Propulsion: 2 Diesels  
Crew: 14  
Built: 1944  
Remarks: Smilax pushes a 70' construction barge.

| Hull     | Name   | INT. C/S | Homeport           | Remarks |
|----------|--------|----------|--------------------|---------|
| WLIC 315 | Smilax | NRYN     | Atlantic Beach, NC |         |

## 75 Foot Inland Construction Tender

---

Length: 75 feet  
Speed: 9 kts  
Displacement: 140 tons  
Range: 2,500 nautical miles  
Propulsion: 2 Diesels  
Crew: 13  
Built: 1962-1966  
Remarks: The 75' WLICs push 68' and 84' construction barges. The barges are equipped with cranes and other ATON equipment to drive piles and work the smaller sized buoys.

| Hull       | Name    | INT. C/S | Homeport           | Remarks |
|------------|---------|----------|--------------------|---------|
| WLIC 75301 | Anvil   | NAAG     | Charleston, SC     |         |
| WLIC 75302 | Hammer  |          | Mayport, FL        |         |
| WLIC 75303 | Sledge  | NAAE     | Baltimore, MD      |         |
| WLIC 75304 | Mallet  | NJEB     | Corpus Christi, TX |         |
| WLIC 75305 | Vise    | NVGM     | St. Petersburg, FL |         |
| WLIC 75306 | Clamp   | NSDL     | Galveston, TX      |         |
| WLIC 75309 | Hatchet | NXLA     | Galveston, TX      |         |
| WLIC 75310 | Axe     |          | Mobile, AL         |         |

## 65 Foot River Buoy Tender

---

Length: 65 feet  
Speed: 10 kts  
Displacement: 146 tons  
Range: 3,500 nautical miles  
Propulsion: 2 Diesels  
Crew: 12  
Built: 1960-1962  
Remarks: Tug-type tenders for the western rivers; each pushes a buoy barge.

| Hull      | Name     | INT. C/S | Homeport        | Remarks |
|-----------|----------|----------|-----------------|---------|
| WLR 65501 | Ouachita | NACE     | Chattanooga, TN |         |

|           |          |      |                   |
|-----------|----------|------|-------------------|
| WLR 65502 | Cimarron | NACH | Paris Landing, TN |
| WLR 65503 | Obion    | NADE | Owensboro, KY     |
| WLR 65504 | Scioto   | NADS | Keokuk, IA        |
| WLR 65505 | Osage    | NADC | Sewickley, PA     |
| WLR 65506 | Sangamon | NADR | Peoria, IL        |

### 75 Foot River Buoy Tender

-----

Length: 75 feet  
 Speed: 10 kts  
 Displacement: 150 tons  
 Range: 3,100 nautical miles  
 Propulsion: 2 Diesels  
 Crew: 19  
 Built: 1964-1970  
 Remarks: Tug-type tenders for the western rivers; each pushes a 90 foot barge.

| Hull      | Name      | INT. C/S | Homeport          | Remarks |
|-----------|-----------|----------|-------------------|---------|
| WLR 75307 | Wedge     | NAEQ     | Demopolis, AL     |         |
| WLR 75401 | Gasconade | NSAU     | Omaha, NE         |         |
| WLR 75402 | Muskingum | NBLF     | Sallisaw, OK      |         |
| WLR 75403 | Wyaconda  | NAGA     | Dubuque, IA       |         |
| WLR 75404 | Chippewa  | NCHP     | Paris Landing, TN |         |
| WLR 75405 | Cheyenne  | NAGF     | St. Louis, MO     |         |
| WLR 75406 | Kickapoo  | NAHN     | Vicksburg, MS     |         |
| WLR 75407 | Kanawha   | NAKP     | Pine Bluff, AR    |         |
| WLR 75408 | Patoka    | NAKC     | Greenville, MS    |         |
| WLR 75409 | Chena     | NAMM     | Hickman, KY       |         |

### Kankakee Class 75 Foot River Buoy Tender

-----

Length: 75 feet  
 Speed: 12 kts  
 Displacement: 172 tons  
 Range: 3,100 nautical miles  
 Propulsion: 2 Diesels  
 Crew: 19  
 Built: 1990  
 Remarks: New tug-type tenders. Push 130 foot buoy barges.

| Hull      | Name       | INT. C/S | Homeport    | Remarks |
|-----------|------------|----------|-------------|---------|
| WLR 75500 | Kankakee   | NAMR     | Memphis, TN |         |
| WLR 75501 | Greenbrier | NAOA     | Natchez, MS |         |

### 49 Foot Stern Loading Buoy Boat

-----

Length: 49 feet  
 Speed: 10 kts  
 Displacement: 36 tons  
 Range: 300 miles

Propulsion: 2 Diesels

Endurance: 4 days

Crew: 4

Built: 1997-2002

Remarks: The BUSL fleet was constructed at the Coast Guard Yard in Baltimore, MD. They are designed to provide a stable, versatile platform capable of operating in ocean harbors, major lakes, or navigable rivers, and can recover short range aids to navigation items. Their A-frame crane is rated at 4,500 lbs.

| Hull       | Homeport              | Remarks |
|------------|-----------------------|---------|
| BUSL 49401 | ANT Bristol           |         |
| BUSL 49402 | ANT Sledge/Baltimore  |         |
| BUSL 49403 | ANT Woods Hole        |         |
| BUSL 49404 | ANT Saugerties        |         |
| BUSL 49405 | ANT New York          |         |
| BUSL 49406 | ANT Moriches          |         |
| BUSL 49407 | ANT Cape May          |         |
| BUSL 49408 | ANT Charleston        |         |
| BUSL 49409 | ANT New York          |         |
| BUSL 49410 | ANT Long Island Sound |         |
| BUSL 49411 | ANT Long Island Sound |         |
| BUSL 49412 | ANT Grand Haven       |         |
| BUSL 49413 | ANT Buffalo           |         |
| BUSL 49414 | STA Burlington        |         |
| BUSL 49415 | ANT Panama City       |         |
| BUSL 49416 | ANT Jacksonville      |         |
| BUSL 49417 | ANT Boston            |         |
| BUSL 49418 | ANT Boston            |         |
| BUSL 49419 | ANT South Portland    |         |
| BUSL 49420 | ANT South Portland    |         |
| BUSL 49421 | ANT Southwest Harbor  |         |
| BUSL 49422 | ANT Saginaw River     |         |
| BUSL 49423 | ANT Duluth            |         |
| BUSL 49424 | ANT Detroit           |         |
| BUSL 49425 | ANT Crisfield         |         |
| BUSL 49426 | ANT Corpus Christi    |         |
| BUSL 49427 | ANT Bristol           |         |
| BUSL 49428 | ANT Baltimore         |         |

## 55 Foot Aid-to-Navigation Boat

Length: 55 feet

Speed: 21.5 kts

Displacement: 34 tons

Range: 175 miles

Propulsion: 2 Diesels

Endurance: 4-5 days

Crew: 4

Built: 1977-1988

Remarks: The 55-foot boats service small buoys and service fixed structures. They have a lifting capacity of 2,000/3,000 lbs. and a cargo capacity of 8,000 lbs. The boats are designed for live-aboard and have small repair shops for repairing ATONS while underway.

| Hull | Homeport | Remarks |
|------|----------|---------|
|------|----------|---------|



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ANB 55101  
 ANB 55102  
 ANB 55103 Galveston, TX  
 ANB 55104  
 ANB 55105  
 ANB 55106  
 ANB 55107 ANT Seattle, WA  
 ANB 55108 ANT New Orleans, LA  
 ANB 55109 ANT Fort Macon, NC  
 ANB 55110 Sabine Pass, TX  
 ANB 55111  
 ANB 55112  
 ANB 55113  
 ANB 55114  
 ANB 55115 ANT Philadelphia, PA  
 ANB 55116  
 ANB 55117  
 ANB 55118  
 ANB 55119  
 ANB 55120  
 ANB 55121 ANT Baltimore  
 ANB 55122

## Bay Class Icebreaking Tug

-----

Length: 140 feet

Speed: 14 kts

Displacement: 690 tons

Range: 1,500 nautical miles

Propulsion: 2 Diesels

Aircraft: none

Crew: 17

Built: 1979-1988

Armament: 2 machine guns

Remarks: The 140-foot Bay-class Cutters are state of the art icebreakers used primarily for domestic ice breaking duties. They are named after American Bays and are stationed mainly in Northeast U.S. and Great Lakes. WTGBs use a low-pressure-air hull lubrication or bubbler system that forces air and water between the hull and ice. This system improves icebreaking capabilities by reducing resistance against the hull, reducing horsepower requirements. ALE equipped.

| Hull     | Name          | INT. C/S | Homeport            |
|----------|---------------|----------|---------------------|
| WTGB 101 | Katamai Bay   | NRLX     | Sault St. Marie, MI |
| WTGB 102 | Bristol Bay   | NRLY     | Detroit, MI         |
| WTGB 103 | Mobile Bay    | NRUR     | Sturgeon Bay, WI    |
| WTGB 104 | Biscayne Bay  | NRUS     | St. Ignace, MI      |
| WTGB 105 | Neah Bay      | NRUU     | Cleveland, MI       |
| WTGB 106 | Morro Bay     | NMHK     | New London, CT      |
| WTGB 107 | Penobscot Bay | NIGY     | Bayonne, NJ         |
| WTGB 108 | Thunder Bay   | NNTB     | Rockland, ME        |
| WTGB 109 | Sturegon Bay  | NSXB     | Bayonne, NJ         |

## 65 Foot Harbor Tugs

---

Length: 65 feet

Speed: 10 kts

Displacement: 72 tons

Range: 2,700 nautical miles

Propulsion: 1 Diesel

Crew: 6

Built: 1961-1967

Remarks: They are employed only on the east coast, from Maine to Virginia.

| Hull       | Name    | INT. C/S | Homeport             | Remarks |
|------------|---------|----------|----------------------|---------|
| WYTL 65601 | Capstan | NAQB     | Philadelphia, PA     |         |
| WYTL 65602 | Chock   | NASB     | Curtis Bay, MD       |         |
| WYTL 65604 | Tackle  | NASM     | Rockland, ME         |         |
| WYTL 65607 | Bridle  | NATC     | Southwest Harbor, ME |         |
| WYTL 65608 | Pendant | NATN     | Boston, MA           |         |
| WYTL 65609 | Shackle | NAYP     | South Portland, ME   |         |
| WYTL 65610 | Hawser  | NAYC     | Bayonne, NJ          |         |
| WYTL 65611 | Line    | NAOF     | Bayonne, NJ          |         |
| WYTL 65612 | Wire    | NDSB     | Saugerties, NY       |         |
| WYTL 65614 | Bollard | NNGP     | New Haven, CT        |         |
| WYTL 65615 | Cleat   | NDLA     | Philadelphia, PA     |         |

## Eagle Training Barque

---

Length: 295 feet

Speed: 10-18 kts

Displacement: 1,816 tons

Range: 5,450 nautical miles

Propulsion: 1 Diesel

Crew: 50 + 150

Built: 1936

Remarks: Coast Guard Academy training ship

| Hull    | Name  | INT. C/S | Homeport       | Remarks |
|---------|-------|----------|----------------|---------|
| WIX 327 | Eagle | NRCB     | New London, CT |         |

## Long Range Interceptor - II

---

Length: 35 feet

Speed: 40 kts

Range: 240NM

Planned Quantity: 10

Capacity: 15 persons

The new 35-foot Long Ranger Interceptors (LRI-II) are being introduced for the National Security Cutters.

## Over the Horizon - IV

---

Length: 26 feet  
Speed: 40 kts  
Range: 200NM  
Planned Quantity: 101

The OTH-IV boat provides the capability to deploy armed boarding teams within 20 miles of the parent cutter at speeds of 40 knots. They are carried on National Security Cutters and Fast Response Cutters.

### **47-foot Motor Lifeboat**

-----

Length: 47 feet

Remarks: The 47' motor lifeboat is designed as a first response rescue resource in high seas, surf & heavy weather environments. They are built to withstand the most severe conditions at sea and are capable of effecting a rescue at sea even under the most difficult circumstances. They are self-bailing, self-righting, almost unsinkable, and have a long cruising radius for their size. If overturned, the vessel will return to an upright position in 30 seconds or less. It is the replacement for the aging 44' MLB fleet.

The total, to be delivered over 5 years, will be 200.

### **45-foot Response Boat-Medium**

-----

Length: 45 feet  
Speed: 42.5 kts  
Range: 250 NM

Remarks: To replace the 41-foot boats in service. 180 to 250 boats planned between 2008 and 2018. Built by Marinette Marine.

### **44-foot Response Boat-Medium**

-----

Length: 44 feet  
Engines: Dual inboard jets  
Remarks: ArchAngel model SAFE Boat.

| Hull  | Homeport    | Remarks |
|-------|-------------|---------|
| 44301 | Chatham, MA |         |

### **42-foot Response Boat-Medium**

-----

Length: 42 feet  
Engines: Dual inboard jets  
Remarks: ArchAngel model SAFE Boat.

| Hull  | Homeport    | Remarks |
|-------|-------------|---------|
| 42001 | Chatham, MA |         |
| 42002 | Chatham, MA |         |

### **41-foot Utility Boat**

-----

The 41' UTB is the general workhorse at multi-mission units. It is designed to operate under moderate weather and sea conditions where its speed and maneuverability make it an ideal platform for a variety of missions.

There are presently 172 operational boats.

| Hull  | Homeport          | Remarks |
|-------|-------------------|---------|
| 41304 | Atlantic City, NJ |         |
| 41320 | Boston, MA        |         |
| 41330 | Curtis Bay, MD    |         |
| 41359 | Curtis Bay, MD    |         |
| 41361 | Charleston, SC    |         |
| 41372 | Charleston, SC    |         |
| 41395 | Castle Hill, RI   |         |
| 41398 | Point Allerton    |         |
| 41428 | Tybee Island, GA  |         |
| 41452 | Curtis Bay, MD    |         |
| 41453 | Curtis Bay, MD    |         |
| 41454 | Curtis Bay, MD    |         |
| 41492 | Point Allerton    |         |

### 33-foot Full Cabin SAFE Response Boat

Engines: Three outboards

| Hull   | Homeport               | Remarks |
|--------|------------------------|---------|
| 33107  | South Padre Island, TX |         |
| 33109  | Miami, FL              |         |
| 33118  | San Diego, CA          |         |
| 331255 |                        |         |

### 27-foot Full Cabin SAFE Boat

Engines: Two outboards

### Defender Class Response Boat-Small

Length: 25 feet

Engines: Two 225 HP Four-stroke Gas Honda engines

Max Speed: 45+ knot

Cruising range of 50NM at 35 knots

Minimum crew of 2

Max seas of 6 ft.

Survivable in up to 10 ft. seas

Armament: Small Arms

Remarks: Developed in a direct response to the need for additional Homeland Security assets in the wake of the September 11th terrorist attacks, the Defender Class boats were procured under an emergency acquisition authority. With a contract for up to 700 standard response boats, the Defender Class acquisition is one of the largest boat buys of its type in the world. The 100 boat Defender A Class (RB-HS) fleet began arriving at units in May 2002 and continued through August 2003. After several

configuration changes, most notably a longer cabin and shock mitigating rear seats, the Defender B Class (RB-S) boats were born. This fleet was first delivered to the field in Oct 2003, and there are currently 357 RB-S boats in operation.

The 457 Defender Class boats currently in operation are assigned to the Coast Guards Maritime Safety and Security Teams (MSST), Maritime Security Response Team (MSRT), Marine Safety Units (MSU), and Small Boat Stations throughout the Coast Guard. With an overall length of 25 feet, two 225 horsepower outboard engines, unique turning radius, and gun mounts boat forward and aft, the Defender Class boats are the ultimate waterborne assets for conducting fast and high speed maneuvering tactics in a small deployable package. This is evidenced in the fact that several Defender Class boats are already in operation by other Homeland Security Department agencies as well as foreign military services for their homeland security missions.

## **Response Boat-Small II**

---

Length: 29 feet  
Max Speed: 45+ knot  
Cruising range of 150NM at 35 knots  
Minimum crew of 2  
Armament: Small Arms

The RB-S II, designed with an increased emphasis on function and crew comfort, will gradually replace the Defender-class RB-S as the older assets reach the end of their service life.

The Coast Guard awarded a delivery order valued at approximately \$13 million Sept. 26, 2011 to Metal Shark Aluminum Boats for the production of 38 RB-S II. The contract allows for the procurement of up to 500 boats. Up to 470 boats will be delivered to shore units throughout the Coast Guard to perform port and waterway security, search and rescue, drug and migrant interdiction, environmental and other law enforcement missions. Up to 20 boats may be ordered by Customs and Border Protection and up to ten by the U.S. Navy.

Another 48 boats were ordered in August 2015 bringing the number up to 207.

## **23-foot Center Console Response Boat-Small**

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23 foot center console SAFE Boat.

Remarks: With a low center of gravity and very little windage the center consoles allow for a wide verity of missions to be easily completed.

## **23-foot T-top Response Boat-Small**

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23 foot SAFE Boat.

## **Guardian Class Transportable Port Security Boats**

---

Length: 24' 7"  
Beam: 8' 0"  
Draft: 39"  
Engines: Twin outboards

NOTE: USCG Cutters assigned to inland waterways are not assigned international callsigns.  
International callsigns double as ALE addresses for cutters equipped with ALE.

## **Maritime Safety and Security Teams (MSST) & Maritime Security Response Team (MSRT)**

MSSTs were created under the Maritime Transportation Security Act (MTSA) 2002, in direct response to the terrorist attacks on Sept. 11, 2001, and are a part of the Department of Homeland Security's layered strategy directed at protecting our seaports and waterways. MSSTs Provide waterborne and a modest level of shoreside antiterrorism force protection for strategic shipping, high interest vessels and critical infrastructure. MSSTs are a quick response force capable of rapid, nationwide deployment via air, ground or sea transportation in response to changing threat conditions and evolving Maritime Homeland Security (MHS) mission requirements. Multi-mission capability facilitates augmentation for other selected Coast Guard missions.

MSST personnel receive training in Advanced Tactical Boat Operations and Anti-terrorism/ Force protection at the Special Missions Training Center located at Camp Lejeune , N.C.

Modeled after the Port Security Unit (PSU) and Law Enforcement Detachment (LEDET) programs, MSSTs provide a complementary non-redundant capability designed to close critical security gaps in our nation's strategic seaports. MSSTs are staffed to support continuous law enforcement operations both ashore and afloat. In addition, MSSTs:

- Jointly staffed to maximize effectiveness executing Port, Waterways, and Coastal Security (PWCS) operations (enforce security zones, port state control boardings, protection of military outloads and major marine events, augment shoreside security at waterfront facilities, detect WMD weapons/agents, and participate in port level antiterrorism exercises).
- Provide enhanced port safety and security and law enforcement capabilities to the economic or military significant port where they are based.
- Deploy in support of National Special Security Events (NSSEs) requiring Coast Guard presence, such as OpSail, Olympics, Republican & Democratic National Conventions, major disasters or storm recovery operations.
- Prototype/employ specialized capabilities to enhance mission performance (K-9 program, radiation detectors, dive program, vertical insertion, running gear entangling systems, less –than-lethal weapons, etc.).
- Deploy on board cutters and other naval vessels for port safety and security, drug law enforcement, migrant interdiction or other maritime homeland security mission requirements.
- Support Naval Coastal Warfare requirements during Homeland Defense (HLD) and in accordance with long standing agreements with DOD and the Combatant Commanders (protect strategic shipping, major naval combatants and critical infrastructure at home and abroad)

### Capabilities

Maritime interdiction and law enforcement  
Anti-terrorism/Force Protection  
CBRN-E Detection  
Vertical Insertion (commonly referred to as Fast Roping)

Search and Rescue (limited)  
Port Protection/Anti-sabotage  
Underwater Port Security  
Canine Handling Teams (Explosives Detection)  
Tactical Boat Operations NCW boat tactics  
Non Permissive Compliant Boarding capability

#### MSSTs

-----  
MSST 91101 -- Seattle (Established 2002)  
MSST 91102 -- Chesapeake, Va. (Established 2002). Renamed a MSRT in 2006  
MSST 91103 -- Los Angeles/Long Beach (Established 2002)  
MSST 91104 -- Houston/Galveston (Established 2002)  
MSST 91105 -- San Francisco (Established 2003)  
MSST 91106 -- Ft. Wadsworth, NY (Established 2003)  
MSST 91107 -- Honolulu, HI (Established 2005)  
MSST 91108 -- St. Marys, Ga. (Established 2003)  
MSST 91109 -- San Diego, CA (Established 2005)  
MSST 91110 -- Boston, MA (Established 2003)  
MSST 91111 -- Anchorage (Established 2004)  
MSST 91112 -- New Orleans (Established 2004)  
MSST 91114 -- Miami, FL (Established 2005)

#### Personnel & Equipment

Each MSST has 75 active duty personnel. Each team has six SAFE boats, three physical security teams, and two canine teams.

A MSRT is an enhanced MSST with pretty much double the capabilities of a MSST.

## **Port Security Units**

Coast Guard Port Security Units (PSUs) are Coast Guard units staffed primarily with selected reservists. They provide waterborne and limited land-based protection for shipping and critical port facilities both INCONUS and in theater.

PSUs can deploy within 24 hours and establish operations within 96 hours after initial call-up. Each PSU has transportable boats equipped with dual outboard motors, and support equipment to ensure mobility and sustainability for up to 30 days. Every PSU is staffed by a combination of reserve and active duty personnel. PSUs require specialized training not available elsewhere in the Coast Guard. Coast Guard Reservists assigned to Port Security Units must complete a 2 week Basic Skills Course at the PSU Training Detachment in Camp LeJeune, NC.

In addition to their most recent support of homeland security operations around the country, PSUs were deployed to the Persian Gulf during Operation Desert Storm in 1990. They also served in Haiti during Operation Uphold Democracy in 1994. In December 2000, PSU 309 from Port Clinton, OH was deployed to the Middle East to provide vital force protection for the Navy assets following the attack on the USS Cole.

PSU 301 Cape Cod Canal  
PSU 305 Fort Eustis, VA  
PSU 307 St. Petersburg, FL  
PSU 308 Gulfport, MS

PSU 309 Port Clinton, Ohio  
PSU 311 Long Beach, CA  
PSU 312 San Francisco, CA  
PSU 313 Everett, WA

## **Maritime Force Protection Units**

MFPUs provide enhanced security for U.S. Navy ballistic missile submarines within the units' homeport transit areas. These submarines generally operate on the surface with other vessel traffic when entering or departing ship channels leading to their homeport, and the MFPU will provide additional security measures while operating under these conditions.

MFPUs are single mission units that have broad law enforcement authority, including the authority to establish, patrol, and enforce exclusionary zones, naval vessel protective zones, restricted navigation areas, and security zones supporting naval operations.

MFPUs

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MFPU Kings Bay, GA  
MFPU Bangor, WA

MFPUs consist of an 87 foot cutter, small boats, and about 200 personnel.

## **National Strike Force**

The National Strike Force's (NSF) mission is to provide highly trained, experienced personnel and specialized equipment to Coast Guard and other federal agencies to facilitate preparedness and response to oil and hazardous substance pollution incidents in order to protect public health and the environment. The NSF's area of responsibility covers all Coast Guard Districts and Federal Response Regions.

The National Strike Force totals over 200 active duty, civilian, reserve, and auxiliary personnel and includes the National Strike Force Coordination Center (NSFCC); the Atlantic Strike Team; the Gulf Strike Team; the Pacific Strike Team; and the Public Information Assist Team (PIAT) located at the NSFCC.

## **PACAREA TCC-3**

The Transportable Communications Center (TCC) is a deployable communications command center. The TCC supports a wide scope of missions including law enforcement, search and rescue, and contingency communications to those area affected by natural disaster or other phenomena.

The TCC is equipped with: Three HF transceivers capable of 125-400 watts; Two VHF-FM Marine transceivers; Two UHF transceivers and five programmable police band transceivers in the 400-800 MHz range. The TCC is equipped with a LST-5D providing a dual port dama circuit over which one sat voice and one sat data circuit operate.

The TCC is equipped with a KWR-46 and a EPSBRT receiver/demultiplexer enabling operators to monitor the HMCG broadcast and receive Over The Air Receipts of keymat when deployed. The TCC is also equipped with phone patch capability in both clear and encrypted modes.

Lastly, operators may monitor the marine weather fax via the TCC's weather fax receiver.



There are 3 free standing HF antennas and 2 police and fire band antennas. The crew consists of a TCC Leading Petty Officer and 3-5 crew members. The TCC is deployable by ground or HC-130.

When the TCC is jointly deployed with the National Strike Force Mobile Incident CP the combined unit is known as the Mobile Incident Command Center.

## **CONTINGENCY COMMS TEAM**

(Source file)

A team consisting of an OSC, OS1, IT1, MK1 & two ET2's that deploy w/mobile communications trailers or Transportable Communications Centrals (TCC's).

There are two TCC's: TMACC & TMMIC – BOTH are LANTAREA assets maintained and operated by the Contingency Comms Team based out of southern Chesapeake VA close to the VA/NC border.

TMACC = Transportable Multi-Agency Communications Central

TMMIC = Transportable Multi-Mission Communications Central

The TMACC & TMMIC provide comms support when temporary communications facilities are required.

They deploy on short notice in support of but not limited to: Natural Disasters (Hurricane relief, etc.), Homeland Security OPS, SAR, law enforcement, & COTP OPS.

The Contingency Team remains in B-6 status 24x7/365 for mission readiness. The TCC's are coupled with rugged F-750 tow vehicles and are also C-130 deployable to ensure rapid deployment in response to a variety of mission demands.

What is the Contingency Comms Team?

Commissioned in 1992, TMACC was developed to support joint and multi-agency operations. The TMACC is the larger of the two TCC's. The TMACC is equipped with a broad range of communication and command and control systems that allow for interoperability between Coast Guard, DOD, Customs, DEA, local and state authorities. (Can accommodate 2-3 personnel comfortably, normally manned by 2 personnel.)

Commissioned in 1995, TMMIC was primarily developed to support Coast Guard missions, but can also work with other agencies. TMMIC is the smaller of the two TCC's. (Can accommodate 1 person comfortably, normally manned by 1 person, 2 person max.)

Capabilities

Both units provide capabilities to operate and monitor all Coast Guard frequencies; clear, protected, and secure.

Both units provide multiple record messaging circuits.

Both units can provide Internet, Intranet and limited SIPRNET Access. (dial-up)

TMACC has some additional communication and system capabilities (i.e., ICE Imagery, Officer in Tactical Command Information Exchange Subsystem (OTCIXS), and Customs Over The Horizon Enforcement Net (COTHEN).

Both units can provide interoperability with other Federal, State, and Local frequencies.

Both units provide capabilities to operate and monitor all Coast Guard frequencies; clear, protected, and secure.

Circuit/Capability - Equipment - Classification - Purpose

- VHF/FM 138-174MHZ - Voice - Range: 0 to 50 miles - Motorola Spectra Radio - 3 shared with VHF/AM - Clear/DES

Standard Coast Guard VHF radio capable of protected communications up to SBU (e.g., Channel 16, 22A, 23, 83, LANT LE.).

- VHF/AM 115-152MHZ - Voice - Range: 0 to 50 miles - Motorola Spectra Radio - 3 shared with VHF/FM - Clear/DES

Standard Coast Guard VHF-AM aircraft radio (air-to-ground) capable of protected communications up to SBU. Contingency personnel will program these radios with frequencies provided by the requesting unit.

- UHF/FM 403-512MHZ - Voice - Range: Ground – 15 to 100 miles; Aircraft 15 to 300+ miles - Motorola Spectra Radio - 2 ea - Clear/DES

Standard Coast Guard aircraft radio capable of protected communications.

- HF 1.6-30MHZ SSB - Primary Voice - Range: 0 to 400+ miles - Micom-2R Transceiver - 1 ea - Clear/Secure

Standard Coast Guard HF radio capable of secure communications up to Secret. Can be used for HF messaging or any other High Frequency requirement.

- MILSATCOM - DAMA Capable - LST-5D - 1 ea - Secure

Coast Guard's primary satellite voice system installed on cutters 110's and above. Circuits include HLS Net, JIATF Surface Net, and JIATF Air Net. Load up to two channels – can only monitor one at a time.

- Satellite Telephone - Portable Iridium Phone - 1 ea - Clear/Secure

Capable of communications up to Secret. Can be used separately as a hand-held radio or as a stand-alone system in the TCC. External antenna system is available. Useful when phone lines are not available.

- Commercial Satellite Voice & Data - INMARSAT Mini-M - 1 ea - Clear/Secure

Primarily used for voice. May be used for data but is very slow (2.4kbps).

- Secure Voice Telephone - STE Phone - 1 ea - Secure

Capable of voice, data up to classification of SECRET. Dedicated landline desired but may be used in conjunction w/Mini-M.

- UHF/FM-AM 225-400MHZ – Voice - Range: Ground – 15 to 100 miles; Aircraft 15 to 300+ miles - URC-200/500 - 1 ea - Clear/Secure

Standard Coast Guard Aircraft radio.

BOTH CAN INTEROPERATE WITH FEDERAL/STATE/LOCAL FREQUENCIES

- UHF/AM 800MHZ - Public Safety Band - Range: 0 to 100 miles - Motorola Spectra - 1 ea - Clear

Interoperable radio capable of communications with the local Police, Fire Departments, and various other Law Enforcement agencies.

Must be programmed onsite to allow for interoperability.

- Cross-band patching - ACU-1000 coupled w/ Motorola Spectra - 1 ea - Clear/DES

Enables different radios/frequencies to be patched together. Used to establish interoperable radio communications with local Police Departments, Fire Departments, and other Law Enforcement agencies.

#### BOTH PROVIDE MULTIPLE RECORD MESSAGING CIRCUITS

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- HF 1.6-30MHZ - High Frequency Data Exchange (HFDX) - Range: 0 to 400+ miles - MICOM-2R Transceiver - 1 ea - Secure

For sending/receiving both classified and unclassified message traffic via the HFDX messaging system. Same system used on the cutter fleet (e.g., 210's/110's.)

- Satellite Data Exchange (SDX) - Mini-M Satellite Telephone - 1 ea - Secure

Dial up system for sending/receiving both classified and unclassified message traffic (210's & PATFORSWA).

- Fleet Satellite Broadcast - KWR-46 - 1 ea - Secure

Receive only message traffic through Navy broadcast circuit up to Top Secret and capable of receiving Over-The-Air-Transfer (OTAT) of cryptographic material.

#### BOTH CAN PROVIDE INTERNET/INTRANET AND LIMITED SIPRNET ACCESS

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- Internet and CGDN+ - TACHYON Satellite - 1 ea - Clear

Provides unclassified Internet/Intranet connectivity comparable to cable modem. Currently supports one terminal.

- SIPRNET/SIPRNET Chat - Secure Messaging Workstation (SMW) - 1 ea - Secure

Dial up through modem bank. Extremely limited at 33.3kbps. Primarily used for sending and receiving classified and unclassified record message traffic. Allows SIPRNET connection via classified laptop computer.

#### TMACC UNIQUE CAPABILITIES

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- ICE Imagery - Requires use of MILSATCOM - 1 ea - Secure

Provides chat feature and ability to transfer pictures from CASPER equipped C-130s. Uses MILSATCOM CASPER Net. Streaming video is not available due to limited bandwidth.

- OTCIXS - Requires use of MILSATCOM - 1 ea - Secure

Officer in Tactical Command Information Exchange Subsystem: allows for the transfer of messages, chat, vessel movements with chart displays and areas.

- Customs Over The Horizon Enforcement Net (COTHEN) - 1 ea - Clear/Secure

High Frequency Automatic Link Establishment (HF/ALE) Network used by CG & Customs aircraft. Primarily used for air guards for C-130's, Jay-hawk, Falcons, and C-130's

#### BOTH MISC

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Each unit is provided with a GPS receiver to establish position and assist with satellite antenna alignment and a digital voice logger capable of recording both data and voice circuits.

Each unit may be deployed with a Deployable Rapid Assembly Shelter (DRASH) that is capable of acting as a command and control center for a small staff. Also included with the DRASH tents, are portable air conditioning units that are available upon request.

Please note that the TMACC and TMMIC are self-supporting through the use of two diesel generators that provide power to all onboard systems (including air conditioning) in the event that shore power is not available on site. Within the trailers, the TMACC can comfortably accommodate two watch standers and one individual typically mans the TMMIC during operations.

## **Enhanced Mobile Incident Command Posts (eMICP)**

(Source file: <http://www.uscg.mil/hq/g-o/g-opr/On%20Scene/OSsummer2007.pdf>)

The enhanced Mobile Incident Command Post (eMICP) is a trailer outfitted with temporary office and conference room facilities. The eMICP can be deployed alone or interfaced with the MCV to augment organic C4&IT capabilities. The eMICP provides a platform to conduct Coast Guard Command and Control, act as an incident command post, and support staff working an event. The eMICP is a conference room on wheels with a built in communications package to equip the conference room with Type I classified and Type III SBU (sensitive but unclassified) voice and data. The eMICP provides various communications systems along with twelve (12) work stations and a conference room table.

A tractor and a commercially licensed driver-team will tow the eMICP to any Continental United States (CONUS) location.

The first eMICP was delivered in November 2007.

## **Mobile Communications Vehicles (MCV)**

(Source file: <http://www.uscg.mil/hq/g-o/g-opr/On%20Scene/OSsummer2007.pdf>)

The Mobile Communications Vehicle (MCV) can be deployed independently to provide robust communications to an established command center, or to an ad hoc environment such as a hotel room. It is designed to interface with a command center or eMICP to enhance classified and unclassified voice, and radio (HF, UHF, VHF) communications as well as provide voice and data interoperability with Coast Guard units, state, local, and federal interagency partners. The vehicle was designed to be C130J transportable to both CONUS and Outside the Continental United States (OCONUS) locations.

The first MCV is expected to be delivered in summer 2008.

## **Portable Computer Store (PCS)**

(Source file: <http://www.uscg.mil/hq/g-o/g-opr/On%20Scene/OSsummer2007.pdf>)

The Portable Computer Store (PCS) is a contingency cache of six kits totaling 30 Standard Workstation III (SWIII) laptops and six routers which can be used to augment resources at a unit for surge operations, or establish a limited Local Area Network (LAN) in a temporary command and control facility. As a deployable kit, each PCS provides the critical equipment necessary for users to access vital business and operational tools. Each PCS kit contains a 16-port Voice Protocol Network capable router, five SWIII laptop computers, and necessary power supplies. Users may directly connect the laptops to existing

Coast Guard Data Network plus (CGDN+) connections in Coast Guard facilities, or access CGDN+ through the internet using remote access services. The router enables up to 15 machines to share a single data connection for access to the Internet or CGDN+. Each user must have a remote access token to facilitate CGDN+ access when not directly connected to a CGDN+.

## **Portable SIPRNet (PS)**

(Source file: <http://www.uscg.mil/hq/g-o/g-opr/On%20Scene/OSsummer2007.pdf>)

The Portable SIPRNet (PS) provides secure communications up to the level of SECRET. The portable SIPRNet asset consists of standard approved image laptops, a satellite terminal and network equipment necessary to provide connections to SIPRNet at remote locations. It is housed in flyaway cases that can be transported by two personnel as carryon baggage on commercial aircraft. PS can be deployed independently or as a module that plugs into the eMCP and MCV.

## **Telecommunications & Information Systems Command** **(TISCOM)**

TISCOM is a part of the C4IT Service Center and serves as the Coast Guard's Center of Excellence (COE) for enterprise information technology infrastructure. As such TISCOM develops, deploys, secures and supports the Coast Guard's IT Infrastructure for both the SBU and SECRET enterprises. Solutions are divided into three areas:

- 1) Enterprise Networks  
(including: CGOne (including R21), SIPRNET, Local Area Networks, Cutter connectivity).
- 2) Information Systems  
Enterprise Servers/Services (including: Domain Controllers, Exchange, DHCP, SMS/WSUS, Goodlink)  
End User devices (including: standard workstation, smart phones, and laptops)
- 3) Organizational Messaging

## **Operations Systems Center**

The Operations Systems Center (OSC) is a government-owned, contractor-operated unit with the primary function of providing full life-cycle support for operationally-focused Coast Guard Automated Information Systems. These systems support the Coast Guard's five strategic missions: Protection of Natural Resources, National Defense, Maritime Safety, Mobility, and Security.

At the OSC's establishment in 1991, 45 full-time staff members supported five mission-critical information systems. Today, there are over 340 full-time staff members operating, maintaining, developing, and/or providing user support for over 35 enterprise-wide information systems. Team OSC, comprised of Active Duty Military, Federal Civilian, Contractors, and Reservists, provides technical support to Coast Guard Program Managers concerning these systems, to ensure proper system operation, analyze needs, and recommend configuration changes.

## **Rescue 21 Program**

Source: Coast Guard Fact Sheet

The U.S. Coast Guard is replacing its outdated communications system in a project titled Rescue 21.

The Coast Guard's current backbone communications network is the National Distress and Response System (NDRS). Established more than 30 years ago, this VHF-FM-based radio communication system has a range of up to 20 nautical miles along most of the U.S. shoreline.

While this system has served the Coast Guard well over the years, it consists of out-of-date and non-standard equipment with many limitations. These include:

- Imprecise direction finding capability.
- Numerous geographic coverage gaps.
- Lack of interoperability — for example, with other emergency response services.
- Single-channel radio operation, which prohibits the ability to receive radio calls when the system is previously engaged in a transmission.

To address the limitations of the current communications system, the Coast Guard has implemented Rescue 21.

Rescue 21 will replace a wide range of aging, obsolete VHF-FM radio communications equipment and will revolutionize how the Coast Guard communicates and carries out its various missions. The system offers:

- Enhanced VHF-FM and UHF (line-of-site) coverage, for more certain reception of distress calls.
- Position localization — within 2 degrees — of VHF-FM transmissions, so rescue vessels have a dramatically smaller area to search.
- An increase in the number of voice and data channels from one to six, allowing watchstanders to conduct multiple operations. No longer will a single caller in distress — or worse, a hoax caller — prevent another caller from getting through.
- Protected communications for all Coast Guard operations.
- Position tracking of certain Coast Guard assets such as boats and cutters.
- Digital voice recording with immediate, enhanced playback, improving the chances for unclear messages to be understood.
- Improved interoperability among the Coast Guard and federal, state, and local partners, so additional resources can be added to rescue operations as needed.
- Digital selective calling (DSC), an alternate distress communication system used internationally on Channel 70. If properly registered with a Mobile Maritime Service Identity (MMSI) number and interfaced with GPS, the DSC radio signal transmits vital vessel information, position, and the nature of distress (if entered) at the push of a button.
- Provides portable, deployable towers and electronics for restoration of communications during emergencies and natural disasters.

By replacing outdated technology with a fully integrated communications system that bridges interoperability gaps, Rescue 21 boosts the ability to protect boaters and the nation's coasts. Saving lives and providing homeland security are both vital missions in the 21st century.

## **Coast Guard Funding & Budgets**

### **FY 17 Budget Request**

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FY 2017 Budget requests \$10.32 billion for the Coast Guard.

The budget requests \$1.14 billion for Acquisition. Notably:

\$704.1 million for vessels, including \$150 million to accelerate production of a new Polar Icebreaker and necessary funding for the Offshore Patrol Cutter (OPC); procurement of four Fast Response Cutters (FRC); and overhaul of the 140-foot domestic icebreaker fleet and the 225-foot sea-going buoy tender fleet.

\$201.3 million for aircraft, including funding for MH-65E upgrades; missionization of the first HC-27J airframes; mission-system retrofit for HC-144A fixed wing aircraft; and spares for the second operational C-130J Air Station.

\$51.1 million for shore projects, including improvements to support the FRC homeport at Galveston, TX; facility modifications to accommodate HC-27J aircraft at Air Station Clearwater, FL; and facility modifications to accommodate HC-130J aircraft at Air Station Kodiak, AK.

The budget requests \$6.99 billion for operations.

Cuts include:

Decommission one WHEC cutter  
Decommission four 110-foot patrol boats

## **FY 16 Budget Request**

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FY2016 budget requests \$9.96 billion with \$1.02 billion for acquisition.

Cuts include:

Retire 3 HC-130H aircraft  
Decommission 2 110-foot patrol boats

\$200 million is requested to establish HC-27J operations at CGAS Sacramento, standup a second HC-130J unit, buy spares for HC-144A and upgrade HH-65 aircraft.

## **FY 15 Budget Request**

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FY2015 requests \$9.79 billion overall with \$803 million for acquisition.

Cuts include:

Retire 3 HC-130H aircraft

Decommission two High Endurance Cutters

Decommission 8 110-foot patrol boats

Eliminate two 87 foot patrol boat crews

For all non-HITRON aircraft, eliminate Airborne Use of Force program and remove all weapons

Cut four Vessel Boarding Security Teams from Boston, San Diego and San Francisco

Cut HC-144A flight hours by 17% to 1,000

Eliminate fixed wing 30 minute alert readiness from all CONUS air stations and reduce number of crews. SAR requirements will be fulfilled by rotary assets. Fixed wing assets can be scheduled if available but will not be on alert readiness

Acquisitions include:

\$68 million to prepare for transfer of 14 HC-27J aircraft from the U.S. Air Force as authorized in the National Defense Authorization Act of 2014

Provides \$803 million for the acquisition of the eighth National Security Cutter and two Fast Response Cutters

In addition, HR 4005 allows the USCG to transfer H-60s from other services and convert to MH-60T for permanent use in District 9.

## **FY 14 Budget Appropriation**

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The Senate appropriation bill restores funding for 2 HC-130H aircraft and one High Endurance cutter. It provides \$10 million for RB-Medium boats, \$632 million for NSC program and \$310 million for 6 FRC cutters. It allows retirement of two 110 foot patrol boats. \$1.2 billion is earmarked for acquisition.

The House version restored funding for air facilities in Charleston, SC and Newport, OR.

## **FY 14 Budget Request**

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FY2014 requests \$9.79 billion overall with \$909 million for acquisition.

Cuts include:

Retire all HU-25 aircraft

Close two air facilities

Retire two HC-130H aircraft

Divert \$26 million in training funds for operations

Decommission two High Endurance cutters

Acquisitions include:

\$743 million for NSC-7, two FRC cutters, OPC cutter acquisition, and 140 foot ice breaker upkeep

\$28 million for MH-65 upgrades

Manned Covert Surveillance Aircraft – funding to operate and support the first aircraft which is planned to operate out of Miami, FL

## **FY 12 Budget Request**

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FY2012 requests \$10.3 billion overall with \$1.4 billion for acquisition.

Cuts include:

Eliminating MSST Anchorage

Will retire four HU-25 fixed-wing aircraft.

Will decommission the High Endurance Cutters HAMILTON, CHASE, RUSH, and JARVIS.

Will decommission the Medium Endurance Cutter ACUSHNET.

Will decommission icebreaker POLAR SEA.

Will decommission all 179 foot PCs.

\$1.4 billion is requested for modernization to include:

40 response boats-medium

2 HC-144As

Replacement MH-60 for CG 6017

6 Fast Response Cutters

Upgrade 8 MH-60s

## **FY 11 Budget Request**

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FY2011 requests \$6.6 billion for operating expenses, \$1.381 billion for acquisition, \$10.08 billion overall. A 3.3 % cut.

Cuts include:

Decommissions the Coast Guard's National Strike Force Coordination Center in Elizabeth City, NC.

Termination of Manned Covert Surveillance Aircraft follow-on funding.

Closes two Coast Guard Air Facilities at Muskegon, MI and Waukegan, IL.

Realigns rotary wing capacity to provide four medium-range H-60 helicopters to the Great Lakes region. Two H-60 helicopters from Operations Bahamas Turks & Caicos (OPBAT) and two H-60s from Maritime Security Response Team (MSRT) in Chesapeake, VA will be permanently relocated to CGAS Traverse City, MI. Upon arrival of the four H-60s, five MH-65 helicopters presently stationed at CGAS Traverse City will be removed from active service.

The FY 2011 budget requests \$1.381 billion for the following projects:

Response Boat-Medium - \$42 million for 10 boats

Rescue 21 - \$36 million

Funds production of HC-144A #15

Continues upgrades to HC-130H, HH-60, and H-65 aircraft.

Fully funds production of NSC #5

Requests \$240 million for the Fast Response Cutter program for hulls #9-12

Provides necessary funding to support ATC Mobile transition from four HU-25 aircraft to four HC-144A aircraft in FY 2009-2014 and CGAS Miami transition from six HU-25 aircraft to seven HC-144A aircraft in FY 2010-2015.

## **FY 10 Budget Request**

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The FY 10 budget request was for \$6.5 billion for Operating Expenses and \$1 billion for Deepwater as follows:

\$305 million for aircraft  
\$591 million for surface ships  
\$154 million for C4ISR

### **AIRCRAFT**

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Delivery of HC-144A Maritime Patrol Aircraft #13 & 14

HH-60 engine sustainment and avionics, wiring and sensor upgrades for eight aircraft

HH-65 conversion to modernized components, cockpit and enhanced interoperability for 22 aircraft

HC-130H avionics and sensor upgrades for eight aircraft, as well as four center wing box replacements

### **SURFACE**

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Completion of National Security Cutter #4

Analysis and design for the Offshore Patrol Cutter (OPC)

Production of Fast Response Cutters (FRC-Bs) #5-#8

Production of Deepwater Cutter Small Boats

Overhaul five Medium Endurance Cutters and three 110-foot cutters

\$103 million for 30 Response Boat-Medium boats

### **C4ISR**

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\$117 million for Rescue 21 program for California and New England Sectors to receive Rescue 21 capability, and continued development of Great Lakes, Hawaii, Guam, and Puerto Rico Sectors

Eliminates LORAN-C system

## **FY 08 Budget Appropriation**

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The FY 08 budget appropriation provided for \$5.9 billion for Operating Expenses and \$1.1 billion for Acquisition, Construction and Improvements.

#### FY 08 Appropriation Breakdown

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##### AIRCRAFT

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\$11.5 million to increase the HH-65 fleet by 7 helicopters for the National Capital Region air defense mission

\$170 million for 3 more HC-144A maritime patrol aircraft

\$57.3 million for HH-60 conversion

\$18.9 million for HC-130H sustainment

\$50.8 million for HH-65 conversion

\$24.6 million for Airborne Use of Force equipment to outfit 42 MH-65Cs and 7 MH-60Js

\$5.8 million for missionization and fleet introduction of the C-130Js. The missionization project has experienced an increase in estimated cost that exceeds 8% of the total contracted cost. Pending approval of a remediation plan to address the cost overrun, Coast Guard does not intend to expend funds missionizing C-130J four through six.

##### C4ISR

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\$89.6 million for C4ISR

\$2.5 million for 12 HF transmitters

\$3.6 million for planning and design of an expansion to the Coast Guard Operations System Center.

\$80.3 million for the Rescue 21 communications upgrade program

\$12 million for Nationwide Automatic Identification System

##### SURFACE

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\$165.7 million for the National Security Cutter (NSC) for NSC #3 and #4

\$11.5 million for Coast Guard to pilot an intensive maintenance regime for 110-foot Island Class patrol boats in District Seven. The additional funding provided will allow eight 110-foot patrol boats home-ported in Miami, Key West and St. Petersburg, Florida to operate an additional 3,200 hours per year.

\$45 million for the response boat medium (RB-M) to support the acquisition of 14 additional RB-Ms.

### **FY 07 Budget Appropriation**

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The final FY 07 budget appropriation allocates \$7.8 billion to the Coast Guard. This includes \$1.066 billion for Deepwater. Operating expenses are funded at \$5.48 billion.

The bill includes \$1.33 billion for acquisition, construction and improvements; \$16 million to remove or repair bridges; \$17 million for research and development; \$122 million for reserve training; and \$1.063 billion for retired pay.

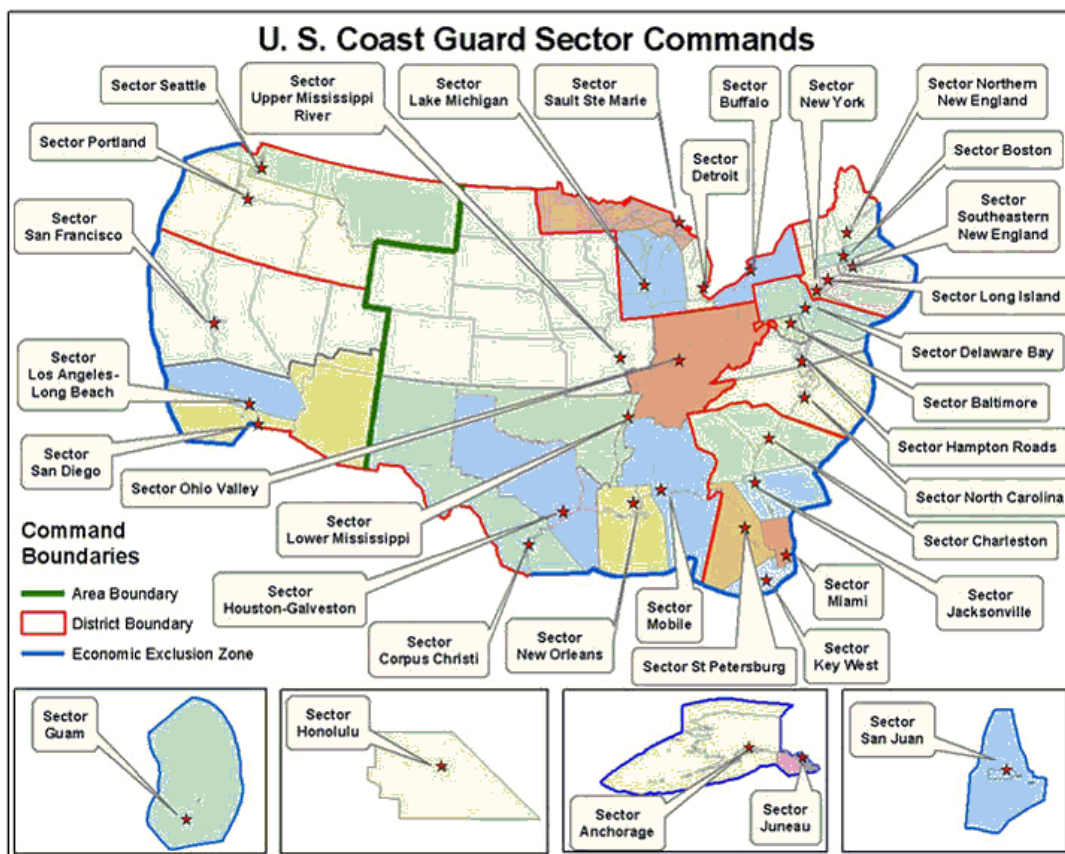
The funding request for a new Coast Guard headquarters complex in Washington, D.C. was deleted until the Homeland Security Department has finalized plans for moving other agencies to the space.

Lawmakers included \$127 million to speed up development of the Fast Response Cutter to replace the 110-foot patrol boats.

The acquisitions account also includes \$15 million for a new HH-60 Jayhawk to replace CG 6020 which was lost during a search and rescue mission in Alaska in December 2004 and \$49 million for avionics upgrades and a service life extension project for the HH-60s.

The appropriation also funds the purchase an HC-235, develop the Eagle Eye unmanned aerial vehicle, and fund a construction of a new national security cutter.

## USCG Sector/Station List



v8 0

### LANTAREA

COMMCOM  
 USCGRU/USJFCOM  
 USCGRU-USSOUTHCOM, Miami, Florida

Coast Guard International Ice Patrol  
U.S. Coast Guard Activities Europe  
ISC Portsmouth  
HITRON Jacksonville, FL  
Activities Europe, Rotterdam, Netherlands  
Maintenance and Logistics Command Atlantic (MLCLANT)  
Training Center Cape May  
Training Center Yorktown  
Aviation Technical Training Center Elizabeth City  
Atlantic Area Deployment Center, Jacksonville, FL

District 1:

CGAS Cape Cod, MA

Sector Northern New England

- MSFO Belfast, ME
- MSFO New Castle, NH (Portsmouth)
- Station Boothbay Harbor, ME
- Station Burlington, VT
- Station Portsmouth Harbor, NH
- Station South Portland, ME
- ANT Portland
- Station Eastport, ME
- Station Jonesport, ME
- Station Southwest Harbor, ME
- ANT Southwest Harbor
- Station Rockland, ME

Sector Boston

- Station Merrimack River, MA
- Station Gloucester, MA
- Station Boston, MA
- Station Point Allerton, MA
- Station Scituate, MA
- Light Station Boston, MA

Sector Southeastern New England

- Station Provincetown, MA
- Station Chatham, MA
- Station Cape Cod Canal, MA
- Station Woods Hole, MA
- Station Brant Point, MA
- Station Menemsha, MA
- Station Castle Hill, RI
- Station Point Judith, RI
- MSFO Cape Cod
- MSFO New Bedford
- ANT Bristol
- ANT Woods Hole

Sector Long Island Sound

- ANT Long Island Sound
- MSD Coram
- Station Eaton's Neck
- Station New Haven, CT
- Station New London, CT
- ANT Moriches
- Station Fire Island, NY
- Station Jones Beach, NY

Station Montauk, NY  
Sector New York, NY  
ANT Saugerties  
ANT New York  
Station New York, NY  
Station Sandy Hook, NJ  
Station Shinnecock, NY

District 5:

CGAS Atlantic City  
CGAS Elizabeth City  
Sector Maryland-National Capital Region  
Station Annapolis, MD  
Station St. Inigoes, MD  
Station Crisfield, MD  
Station Curtis Bay, MD  
Station Washington, DC  
Station Oxford, MD  
Station Stillpond, MD  
Station IMARV Taylor's Island  
Sector Delaware Bay  
Station Philadelphia, PA  
SARDET Salem, NJ  
Station Atlantic City, NJ  
Station Barnegat Inlet, NJ  
Station Beach Haven, NJ (seasonal)  
Station Cape May, NJ  
Station/SARDET Fortescue, NJ (seasonal)  
Station Great Egg, NJ (seasonal)  
Station Manasquan, NJ  
SARDET Roosevelt Island, NJ (seasonal)  
Station Sharks River, NJ (seasonal)  
Station Townsend Inlet, NJ (seasonal)  
Sector Hampton Roads  
Station Little Creek, VA  
Station Cape Charles, VA  
Station Portsmouth, VA  
Station Milford Haven, VA  
Station Chincoteague, VA  
Station Wachapreague, VA  
Station Indian River Inlet, DE  
Station Ocean City, MD  
Sector North Carolina  
MSU Wilmington, NC  
Station Fort Macon, NC  
Station Wrightsville Beach, NC  
Station Emerald Isle, NC  
Station Hobucken, NC  
Station Oak Island, NC  
Station Ocracoke, NC (Seasonal)  
Station Oregon Inlet, NC  
Station Hatteras Inlet, NC  
Station Elizabeth City, NC

District 7:

CGAS Miami  
CGAS Savannah  
AIRFAC Charleston  
CGAS Clearwater  
CGAS Key West  
MFPU Kings Bay, GA

Sector Charleston

Station Charleston, SC  
Station Georgetown, SC  
Station Tybee Island, GA  
Station Brunswick, GA  
MSU Savannah, GA

Sector Miami

Station Miami Beach, FL  
Station Fort Lauderdale, FL  
Station Lake Worth Inlet, FL  
Station Fort Pierce, FL

Sector St. Petersburg

Station Yankeetown, FL  
Station Sand Key, FL  
Station St. Petersburg, FL  
Station Cortez, FL  
Station Fort Myers Beach, FL

Sector Key West

Station Key West, FL  
Station Marathon, FL  
Station Islamadora, FL

Sector Jacksonville

Station Mayport, FL  
Station Port Canaveral, FL  
MSD Canaveral  
Station Ponce de Leon Inlet, FL

Sector San Juan

CGAS Borinquen  
Station San Juan, PR

District 8:

CGAS New Orleans  
ATC Mobile  
Gulf Coast Primary Crew Assembly Facility, Pascagoula, MS

Sector Corpus Christi

CGAS Corpus Christi  
Station South Padre Island, TX  
Station Port Aransas, TX  
Station Port O'Connor, TX

Sector Houston-Galveston, TX

CGAS Houston  
Station Freeport (Surfside, TX)  
Station Sabine, TX  
MSU Lake Charles, LA  
MSU Port Arthur, TX  
Station Galveston, TX  
Station Houston, TX  
Station Lake Charles, LA

Sector Mobile, AL  
Station Dauphin Island (Mobile, AL)  
Station Pascagoula, MS  
Station Destin, FL  
Station Panama City, FL  
Station Pensacola, FL

Sector New Orleans, LA  
Station New Orleans, LA  
Station Grand Isle, LA  
Station Venice, LA  
Station Gulfport, MS  
MSU Baton Rouge, LA  
MSU Houma, LA  
MSU Morgan City, LA

Sector Ohio Valley (Louisville, KY)  
SSD Chattanooga, TN  
SSD Hickman, KY  
SSD Owensboro, KY  
SSD Paris Landing, TN  
SSD Sewickly, PA  
MSU Huntington, WV  
MSD Cincinnati, OH  
MSU Paducah, KY  
MSD Nashville, TN  
MSU Pittsburgh, PA

Sector Upper Mississippi River (Keokuk, IA)

Sector Lower Mississippi River (Memphis, TN)  
MSD Greenville  
MSD Fort Smith  
MSD Vicksburg

District 9:

CGAS Detroit  
CGAS Traverse City

Sector Buffalo  
Station Alex Bay  
Station Sackets Harbor, NY  
Station Oswego, NY  
Station Sodus Point  
Station Rochester, NY  
Station Niagara, NY  
Station Buffalo, NY  
Station Erie, PA  
Station Ashtabula  
Station Fairport  
MSU Cleveland, OH

Sector Detroit  
Station Tawas, MI  
Station Saginaw River, MI  
Station Harbor Beach, MI  
Station Port Huron, MI  
Station St. Clair Shores, MI  
Station Belle Isle, MI  
Station Toledo, OH  
Station Marblehead, OH



Station Lorain, OH  
Station Cleveland Harbor, OH  
MSU Toledo, OH  
Sector Lake Michigan  
Station Sturgeon Bay  
Station Green Bay  
Station Two Rivers  
Station Sheboygan  
Station Milwaukee  
Station Kenosha  
Station Wilmette Harbor  
Station Calumet Harbor  
MSU Chicago  
Sector Field Office Grand Haven  
Station Frankfort  
Station Manistee  
Station Ludington  
Station Muskegon  
Station Grand Haven  
Station Holland  
Station St. Joseph  
Station Michigan City  
Sector Sault Ste Marie  
Station Charlevoix, MI  
Station Alpena, MI  
Station Bayfield, WI  
Station Duluth, MN  
Station Marquette, MI  
Station Portage, MI  
Station St Ignace, MI  
MSU Duluth, MI  
ISD Sault Ste Marie, MI

## **PACAREA**

Maintenance and Logistics Command Pacific (MLCP)  
ISC Alameda  
Training Center Petaluma, CA  
Pacific Area Training Team

District 11:

CGAS San Francisco  
CGAS Sacramento  
FOB NB Ventura County, Point Mugu, CA  
Station Lake Tahoe  
MCC Novato, CA  
ESD Novato, CA  
Sector Los Angeles-Long Beach  
Station Los Angeles, CA  
Station Morro Bay, CA  
Station Channel Islands Harbor, CA  
Sector San Diego  
CGAS San Diego  
Station San Diego, CA  
Sector San Francisco

Station San Francisco, CA  
Station Golden Gate, CA  
Station Monterey, CA  
Station Rio Vista, CA  
Station Bodega Bay, CA  
Station Vallejo, CA  
CGAS Humboldt Bay  
Station Humboldt Bay, CA  
Station Noyo River, CA

District 13:

MFPU Bangor, WA  
Sector Puget Sound  
    Station Seattle, WA  
    CGAS Port Angeles  
    Station Port Angeles, WA  
    Station Neah Bay, WA  
    Station Quillayute River, WA  
    Station Bellingham, WA  
Sector Columbia River  
    CGAS Astoria  
    Station Portland, OR  
    Station Tillamook Bay  
    Station Cape Disappointment  
    Station Grays Harbor  
Group North Bend  
    CGAS North Bend  
    Station Depoe Bay  
    Station Coos Bay  
    Station Umpqua River  
    Station Yaquina Bay  
        Station Coquille River  
    Station Chetco River  
    Station Siuslaw River

District 14:

CGAS Barbers Point  
Sector Honolulu  
    Base Sand Island, HI  
    ISC Sand Island  
    Station Maui  
Sector Guam

District 17:

CGAS Kodiak  
CGAS Sitka  
AIRFAC Cordova, AK  
COMMDDET Kodiak, AK  
AIRFAC St. Paul Island, AK - MH-60 forward deployment site  
Sector Juneau  
    Station Juneau, AK  
    Station Ketchikan, AK  
Sector Anchorage

MSU Valdez, AK  
Station Valdez, AK

MSST 91101 -- Seattle  
MSST 91102 -- Chesapeake, Va.  
MSST 91103 -- Los Angeles/Long Beach  
MSST 91104 -- Houston/Galveston  
MSST 91105 -- San Francisco  
MSST 91106 -- Ft. Wadsworth, NY  
MSST 91107 -- Honolulu, HI  
MSST 91108 -- St. Marys, Ga.  
MSST 91109 -- San Diego, CA  
MSST 91110 -- Boston, MA  
MSST 91111 -- Anchorage  
MSST 91112 -- New Orleans  
MSST 91114 - Miami  
National Strike Force  
Maritime Security Response Team  
Port Security Units

## **COMMCOM HF Transmitter Sites**

(Public Information in FCC Docs)

COMMSTA Boston, Maspee, MA - 41° 24' 00" N 070° 18' 57" W  
CAMSLANT Chesapeake, VA - 36° 33' 59" N 076° 15' 23" W  
COMMSTA Miami, Miami, FL - 25° 36' 58" N 080° 23' 04" W  
COMMSTA New Orleans, Belle Chasse, LA - 29° 52' 40" N 089° 54' 46" W  
CAMSPAC Point Reyes, CA - 38° 06' 00" N 122° 55' 48" W  
COMMSTA Honolulu, Wahiawa, HI - 21° 31' 08" N 157° 59' 28" W  
COMMSTA Kodiak, Kodiak, AK - 57° 04' 26" N 152° 28' 20" W  
GUAM, Finegayan, GU - 13° 53' 08" N 144° 50' 20" E

## **Coast Guard Terminology**

|            |   |
|------------|---|
| AIRSTA     | Coast Guard Air Station   |
| ALC        | Aviation Logistics Center, Elizabeth City, NC                         |
| AMARG      | Aerospace Maintenance And Regeneration Group, Davis Monthan AFB       |
| AMVER      | Automated Mutual Assistance Vessel Rescue System                      |
| BANDIT     | H-65  |
| BLACKJACK  | MH-65C on National Capital Region air defense mission                 |
| BENCHMARK  | Term for reference point (used to pass position)                      |
| BOUNCER    | MH-65   |
| CAMSLANT   | Communications Area Master Station Atlantic, Chesapeake, VA           |
| CAMSPAC    | Communications Area Master Station Pacific, Point Reyes, CA           |
| CASPER     | C-130 Airborne Sensory Palletized Electronic Reconnaissance equipment |
| CHARLIE    | Copy, Clear (as in affirmative)                                       |
| COMMSTA    | Communications Station  |
| CYCLOPS ## | HC-130  |
| DELTA ##   | MH-65   |
| DEMON ##   | HC-130  |
| DMB        | Datum Marker Buoy   |
| DOLPHIN ## | H-65  |
| DRAGON ##  | H-65  |

|                 |   |
|-----------------|---|
| ELT             | Emergency Locator Transmitter   |
| eMIPC           | Enhanced Mobile Incident Command Post                                       |
| EPIRB           | Emergency Position Indicating Radio Beacon                                  |
| ESD             | Electronics Support Detachment  |
| FALCON ##       | HU-25   |
| FLIR            | Forward-Looking Infra-red   |
| FOXTROT ##      | HU-25   |
| FOXTROT MIKE    | "FM" Frequency, most often VHF Marine Band                                  |
| GUARDIAN ##     | MH-65C  |
| HERK ##         | HC-130H   |
| HOMEPLATE       | Aircraft's home airfield  |
| HOTEL/HIGH FOX  | High Frequency Radio  |
| IN THE BLIND    | Sending message without hearing response                                    |
| JAYHAWK ##      | HH-60J  |
| JULIET ##       | HH-60J  |
| JUGGLER         | USCG Auxiliary unit   |
| KILO ##         | MH-65C  |
| KINGBUSTERS ##  | USCG small boats  |
| LANDLINE        | Standard Telephone  |
| LIMA CHARLIE    | Loud and Clear  |
| LE PATROL       | Law Enforcement Patrol  |
| MAKO ##         | MH-65   |
| MEDEVAC         | Medical Evacuation  |
| MCV             | Mobile Communications Vehicle   |
| MSD             | Marine Safety Detachment (subordinate to an MSO)                            |
| MSO             | Marine Safety Office  |
| NOVEMBER ##     | HC-144A   |
| NVG             | Night Vision Goggles  |
| OMNI ##         | HC-130 on a law enforcement mission   |
| OPBAT<br>& CBP) | Operation Bahamas, Turks and Caicos joint counterdrug operation (USCG, DEA, |
| PANTHER         | Joint DEA/USCG counterdrug ops center, Nassau, Bahamas                      |
| PIW             | Person(s) In Water  |
| POB             | People/Persons On Board   |
| PPR             | Prior Permission Required   |
| PS              | Portable SIPRNet  |
| RAPTOR          | USCG Response Boat-Medium at Key West                                       |
| RESCUE          | USCG aircraft on actual SAR mission   |
| RCC             | Rescue Coordination Center  |
| RTB             | Return To Base  |
| SABER           | USCG Auxiliary Aircraft   |
| SAR CASE        | Search And Rescue Mission   |
| SARSAT          | Search And Rescue Satellite   |
| SCN             | Systems Coordination Net (HF Ship-Shore Radio)                              |
| SHARK ##        | USCG Cutter   |
| SITREP          | Situation Report  |
| SLDMB           | Self-Locating Datum Marker Buoy   |
| SOB             | Souls On Board, older term for POB often used by USCG                       |
| SPARTAN ##      | HC-27J  |
| SSD             | Shoreside Support Detachments   |
| STINGRAY ##     | HU-25 now also being used by MH-68As  |
| STRIKER ##      | MH-65   |
| SWORDFISH ##    | MH-60J Jayhawks and HU-25 Falcons   |
| TCC             | Transportable Communications Center   |
| TIBURON         | USCG Cutter   |
| UNIFORM HOTEL   | Ultra High Frequency Radio  |

VICTOR SIERRA      Sector search by single asset  
ZEAL ##            USCG aircraft

Sources: Various USCG fact sheets, hazegray.org, US Navy League Seapower 2008 Almanac, ACP-113(AI), Hugh Stegman's Federal Callsign List, various data from the old WUN List, spotter reports.