NATIONWIDE AUTOMATIC IDENTIFICATION SYSTEM

FEATURES

- Utilizes land-, sea- and space-based AIS radio frequency infrastructure capable of receiving and transmitting information to and from AIS-equipped vessels in U.S. coastal zones, waterways and ports

- Uses electronic aids to navigation to organize traffic patterns and warn vessels of potential hazards

- Capable of broadcasting emergency safety messages to vessels

- Monitors vessel traffic up to 2,000 nautical miles offshore

For updates on NAIS,
visit the program's website at
http://dcms.uscg.mil/Our-Organization/Assistant-Commandant-for-Acquisitions-CG-9/Programs/C4ISR-Programs/NAIS/

PROGRAM DESCRIPTION

The Nationwide Automatic Identification System (NAIS) has enhanced the Coast Guard's maritime domain awareness (MDA) of vessels operating in or approaching the nation's waterways, ports and infrastructure. With permanent NAIS systems installed at 134 sites across 37 sectors, the Coast Guard receives approximately 120 million messages from vessels on a daily basis. Additionally, data feeds are provided to over 80 Coast Guard and other government agency systems per day.

NAIS data helps the Coast Guard monitor traffic in ports and U.S. waters and can be used to manage emergency responses and organize port activities like inspections. The system also increases mariners' awareness by broadcasting electronic aids to navigation and environmental data that are displayed on shipboard navigation systems. The Coast Guard can broadcast various types of virtual markers to vessels, warning them of potential hazards or advising them of traffic patterns in port areas. Virtual buoys can reduce Coast Guard spending by supplementing or replacing physical buoys.

The acquisition completed and responsibility for NAIS was transitioned to the Coast Guard sustainment community on Aug. 26, 2018. Two contracts are in place to provide corrective maintenance as well as engineering support services for information assurance, system administration, grooming processes and detailed troubleshooting requirements.

Mission execution begins here.