

National Security Multi-mission Vessel (NSMV) Fact Sheet



The NSMV is a new class of purpose-built ships to provide for the replacement of the current training ships at the State Maritime Academies (SMAs). The NSMV class will help to sustain world-class, U.S. maritime training operations at the SMAs by equipping young American mariners with the most modern and adaptable training platform. In addition to being an educational platform, this vessel is a highly functional national asset, available to support federal government efforts in response to national and international disasters such as hurricanes and earthquakes. In this role, as a National Defense Reserve Fleet vessel, the NSMV class will be equipped to support major federal relief and response efforts, providing modern medical facilities and berthing for first responders, recovery workers, and crew. These vessels are equipped with a helicopter landing area, roll-on/roll-off ramp and 35 T cargo crane to facilitate vehicle and container stowage capabilities that enable NSMV to provide critical support equipment and supplies to impacted citizens.

Assets

The NSMV class will improve the quality of training, using modern systems and equipment and incorporating modern teaching and training facilities, adaptive for long-term training support for national and int'l requirements:

- Meets or exceeds latest and future environmental standards (air emissions, ballast water, treated waste water)
- Designed to meet Safety of Life at Sea (SOLAS) & Public Nautical School Ship (Subchapter R) requirements, classed as a Special Purpose Ship
- Accommodates current and future Cadet capacity demand for at-sea training as defined by SMAs
- Constructed using a new model of federal government shipbuilding, through a commercial company experienced with building U.S. flagged ships using commercial design standards and commercial construction practices that are consistent with the best interests of the Federal Government



NSMV Statistics

Maneuvering – Docking without tugs

- 1,800 kW Bow Thruster –normal maneuvering and azimuthing type for “Take Home” power
- 890 kW Stern Thruster
- Flap type rudder –improved maneuvering

Accommodation

- Training Ship Mode –600 cadets, 100 officer, faculty, staff & crew
 - Fresh Water Storage for 14 days
 - Food Storage for 60 days
- 60-person surge capacity for Humanitarian Assistance/Disaster Relief missions, up to 1000 persons for 14 days pierside (food, water, sewage)

Teaching & Training

- Convertible classrooms and workshops
- Simulator and laboratory spaces
- Training Bridge and Navigation Lab
- Large Multi-Purpose Space

Principle Dimensions

- Length 160.05 m (525'-1")
- Beam 27.0 m (88'-7")
- Depth 16.8 m (55'-1.5")
- Design Draft 6.5 m (21'-4")

Range

- 10,000+ miles at 18 knots

Propulsion, Speed & Consumption

- Diesel electric
- Four Engines
- Total Installed power – 16,800 kW plus 900 kW Emergency Generator
- Two Sets of electric propulsion motors with an output of 9,000 kW
- Cruising speed – 12 knots with 15% sea margin