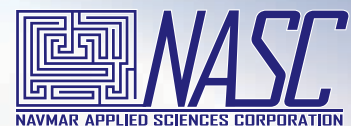


# P-3 ORION FLIGHT TRAINING

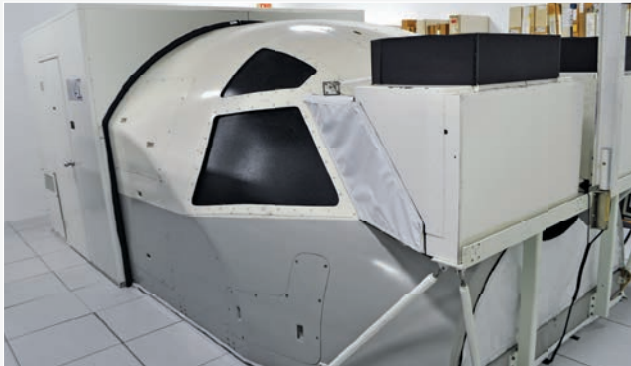


***Fly The Legendary All-Weather Hunter***



# THE P-3 ORION

A sub hunter, a battlespace surveillance and reconnaissance platform, and an essential search and rescue tool, the P-3 Orion has offered rugged durability and a track record of safe performance since 1959. As the worldwide P-3 fleet has matured, this reliable aircraft has benefited from re-tasking in multiple roles. The P-3 Orion excels beyond traditional military applications and has been instrumental in border protection, hurricane research, illegal drug interdiction, fire suppression, and as a scientific research platform. Valued for versatility, the indomitable P-3 Orion and its many variants will see service well into the future by both military and civilian institutions.



## THE NASC P-3 ORION FLIGHT SIMULATOR

The Navmar Applied Sciences Corporation (NASC) P-3 Orion flight simulator allows both experienced and new pilots and flight engineers the opportunity to hone their abilities and, ultimately, acquire the skills and techniques required for qualification in the P-3C Patrol and Reconnaissance Aircraft.

Located in Jacksonville, FL, the NASC P-3 Training Facility houses a full-scale, P-3 Orion 2F142 Operational Flight Trainer (OFT). This static flight simulator is fully operational and complete with engine and instrument panels, hydraulic control loading, and navigation systems. In 2014, our 2F142 OFT was upgraded from the original low light visual system to a modern, high fidelity display to further enhance this virtual training experience.

The 2F142 OFT is currently in use by the U.S. Navy P-3 Orion fleet and has proven itself to be the standard in critical phases of Maritime Patrol Training including FMS training, instrument checks, normal and emergency procedures, and cockpit familiarization.

### FLIGHT STATION FEATURES:

- Engine and Instrument Panels
- Hydraulic Control Loading
- Electronic FDI/HSI
- Digital Power Gauges
- Military GPS and Radios
- Airfield Visuals



# THE SCOPE OF OUR TRAINING

Our program of study provides trainees the instruction necessary to become qualified P-3C pilots, copilots, and flight engineers. The NASC combination of academic instruction and flight simulator experience will prove invaluable to P-3 Orion flight crews.

## ACADEMIC CURRICULUM

In the classroom, P-3 Orion trainees are given a comprehensive education in all aspects of General Airmanship, Instrumentation, and Crew Resource Management. Seminars and group discussions focus on aircraft malfunctions and common techniques as well as recent trends in safety and training to fully prepare the students for the aircraft.

### FEATURED ACADEMIC INSTRUCTION:

- Aircraft Systems
- Normal Operation and Emergency Procedures
- Maintenance and Functional Check Procedures
- Communication and Navigation Procedures
- Foul Weather, Anti-Ice, and De-Ice Seminars
- Crew Resource Management

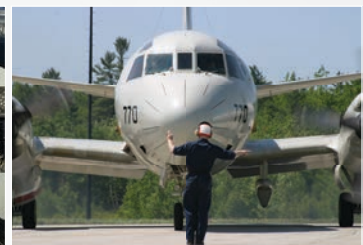


## SIMULATOR TRAINING

NASC simulator training emphasizes the practical application of academic knowledge and provides the hands-on time necessary to develop a high level of motor skill proficiency for both fundamental and unexpected situations. Once inside the P-3 Orion simulator, pilots and flight engineer trainees will benefit from scenario-based training featuring realistic flight circumstances including emergency procedures and weather-related anomalies.

### FEATURED SIMULATOR FLIGHT TRAINING:

- Cockpit Familiarization
- Complex, Multi-Engine Instrument Training
- Normal and Emergency Procedures
- Upgrading Pilot and Flight Engineer Scenarios
- Ground Engine Turn and Taxi Pilot Training
- Landing Pattern Procedures



## OUR INSTRUCTOR STAFF

Our goal is to develop highly competent P-3 Orion pilots and flight engineers. The NASC P-3 training facility staff of instructors and technicians is eminently capable of achieving this goal by offering the expertise required to build a mission-ready flight station. Our trainers include former U.S. Navy Fleet Replacement Squadron (FRS) NATOPS instructor pilots and flight engineers dedicated to providing a high-value learning experience. Having these highly-qualified instructors ensures a consistent, standardized, and accurate curriculum.



### INSTRUCTOR STAFF INFORMATION:

- Former U.S. Navy Fleet VP-30 FRS Instructor Pilots and Instructor Flight Engineers
- Instructors Average Over 4,000 Flight Hours and Over 1,300 Instructor Hours
- Instructors are Former NATOPS Evaluators and Instructor Under Training Instructors
- Experienced in Foreign Military Training
- Simulator Technicians on Site During All Simulator Operation

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## THE NASC STORY

Since 1977, NASC has provided innovative solutions to the Department of Defense, federal research institutions, and the commercial sector in their quest for technologically advanced answers to global challenges. Our specialized products, support, and services are currently being used in multiple operational theaters around the world. NASC is proud to offer P-3 Orion Flight Training. Other NASC areas of expertise include Advanced Maritime Patrol ASW Training, Advanced Acoustics and Sensor Development, Unmanned Aircraft Systems (UAS) Manufacturing and Flight Services, UAS Ground Control Systems, Persistent Surveillance Systems, Combat Systems Joint Fires Training and Doctrine, and Information Technology Services.

### NASC IS PROUD TO HAVE SERVED THE FOLLOWING CUSTOMERS:

- Naval Air Systems Command
- Naval Air Warfare Center Aircraft Division
- Office of Naval Research
- Naval Research Lab
- Department of Homeland Security
- U.S. Air Force
- Space and Naval Warfare Systems Command
- Department of the Army
- U.S. Marine Corps
- Lockheed Martin

For detailed information on all the NASC P-3 Orion training capabilities, please contact NASC Business Development via email at [Busdev@nasc.com](mailto:Busdev@nasc.com) or by phone at 215 675 4900 ext. 221.



*"Quality - Responsiveness - Integrity"*  
[www.nasc.com](http://www.nasc.com)

