Overview

CAE is the prime contractor responsible for the design and manufacture of the P-8A Poseidon Operational Flight Trainer (OFT). These advanced simulators provide a realistic and immersive training environment, ensuring mission readiness for P-8A crews in the U.S. Navy and allied forces worldwide.

CAE leverages high-fidelity simulation technology to deliver an effective training solution that enhances operational efficiency while reducing reliance on live-flight training.

P-8A Missions

The P-8A Poseidon is a state-of-the-art, multi-mission aircraft designed to operate in a traditional, joint, and combined warfare environment. Its primary missions include:

> **Anti-Submarine Warfare (ASW)** - Detecting, tracking, and engaging enemy submarines using advanced sonar, sonobuoys, and torpedoes

> **Anti-Surface Warfare (ASuW)** - Conducting surveillance and offensive operations against maritime threats

> **Armed Surveillance & Reconnaissance** – Monitoring maritime and littoral regions above, on, and below the ocean surface to provide real-time intelligence

> **Intelligence Collection & Processing** – Gathering acoustic, signals, imagery, communications, and electronic intelligence for operational awareness

> **Network-Centric Warfare (NCW) Integration** – Enhancing real-time data sharing and interoperability with joint and allied forces
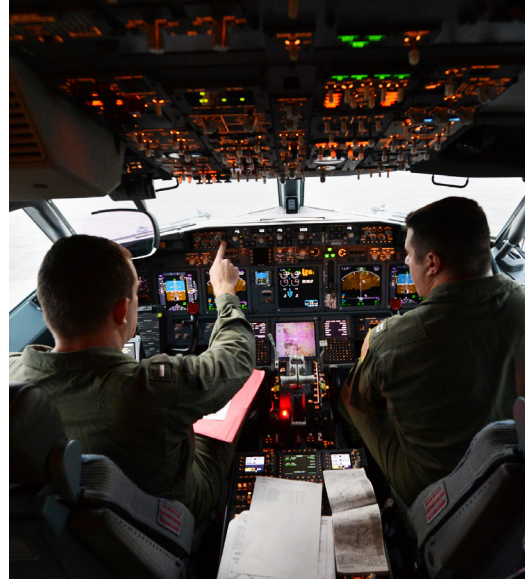

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The P-8A training program ensures that flight crews are equipped with the skills necessary to execute complex maritime operations with precision and confidence.

Contract History

CAE has been a key player in the P-8A training program since 2008, designing and delivering state-of-the-art training systems worldwide. The program includes:

› **27 P-8A OFTs** deployed globally, supporting the U.S. Navy, Royal Australian Air Force (RAAF), Indian Navy, UK Royal Air Force, Royal New Zealand Air Force, Republic of Korea, and the German Navy

› **Aircraft-equipment enhanced Desktop Environments (AeDTEs)** for mission rehearsal and systems training

› **Software Development Stations (SDS)** and **Deployable Mission Rehearsal Trainer (DRMTs)** to support training across multiple locations

› **Production Concurrency Updates** ensuring alignment with aircraft upgrades and new capabilities

› **Integration with Boeing** for continuous training advancements and updates to meet the latest operational requirements

CAE continues to enhance the P-8A training ecosystem, supporting mission success through cutting-edge simulation technology and seamless integration with real-world operational environments.

U.S. Navy P-8

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