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# POSEIDON NEST

US Navy squadron VP-30 'Pro's Nest' is responsible for transitioning P-3C crews and fledgling naval aviators on to the P-8A Poseidon.







operate the aircraft. The Poseidon flew for the first time on April 25, 2009 and three years later the first production P-8A was handed over to VP-30 to begin training Poseidon crews. Lieutenant Bob Valentich, a P-8A

instructor, sums up some of the aircraft's advantages compared to the Orion: "The P.84 can fly higher faster and longer than a P-3C. We have better technology: digital versus analog. We have more capabilities, better avionics - multi-screens and a lot of computers and technology - so things happen faster. Our combat effectiveness is about four hours on station, depending on altitude, airspeed and what we are doing there."

Even with deliveries ongoing, the P-8A is under constant upgrade. "Trying to replace an aircraft that has been out there for 60 years and bring a new plane in, there is a lot of learning that has to go on with the systems' says Valentich. "We are constantly getting avionics and system upgrades and we are flexing and trying to figure out exactly how to use the systems in the way they were designed, to our maximum efficiency."

Learning to fly the P-8A starts with primary flight training in the Beechcraft T-6 Texan II. "After graduation from

can go on." Valentich explains. "Ours is the multi-engine path. At NAS Corpus Christi, Texas, we do our multi-engine syllabus. We fly the Beech T-44 Pegasus. an airplane much smaller than the P-8A. After completing the course, students get their wings. As qualified naval aviators, they head to their Fleet Renlacement Souradion

"For the P-8A, that's VP-30, at NAS Jacksonville. The students go from flying an analog aircraft to a digital one. I'm teaching them to use the avionics and flight management computers. There is a lot more automation in the P-8A; things happen faster and it is more robust.

"We have operational flight trainers (OFTs), or full-motion simulators, in our Integrated Training Center. Two-thirds of our events are conducted in the simulator building, whereas a third are done in the plane. That's very different from the P-3C. where the majority of the syllabus is done in the aircraft. We have fewer flights, but we use the simulator more often in a more controlled training environment.

Before pilots start in the OFT, there is training on flight management computers in order to understand how to use them. That way, they have a grasp of the system before they go to the QFT.













Above. In huge hangars, Poseidon maintainers do their job on a VP-8 aircraft. P-8A maintenance turnerounds are pretly standard and quick Dick Wels

Left: The P-B/Is weapons bay is located in the underside of the fuselage, behind the wings, and can accommodate depth charges, free-fall benths and fixpleon Mark 54 topedoes Dick Wels





been training separately in the weapons tactics trainer. This is a model of the 'tube' of the aircraft, where the TACCO and four sensor operators practice their role, After they all have completed their syllabus. we merge them and they fly together on tactical events and we do tactical simulations in the weapons system trainers. Then we put the whole crew together and introduce the crew concept. In training, crews vary based on training requirements and different timelines, but the operational fleet squadrons try to keep crews together."

Summing up. Valentich says: "We practice everything before we go to



Standardization) qualified P-84 pilots On their squadron they usually join a crew comprising the aircraft commander, the 2P at a level below commander and the systems expert for the flight crew and the 3P, the brand new junior pilot. The 3P is a fully qualified P-8A pilot, but only with basic tactics training. That knowledge is increased with the fleet as they become more proficient.

# Transition training

VP-30 is also responsible for individual transition training for naval aviators moving to the P-8A from other types. with a specific syllabus for each of the variety of backgrounds these pilots come from, Among them, former P-3C pilots reentering as department heads are typical. while prospective commanding officers of P-8A squadrons also come through. A special program covers the transition

of complete squadrons: VP-30 trained VP-1 and VP-46 in 2020, for example. "It's a three-stage transition process." Valentich says. 'In the first stage, we send instructors Above-Hands not is working on one directional antennas of the Poseidon. The sanahyay lawari area is located just beside the antenna Dick Web

to their Whidbey Island base for the simulator phase. In phase two, the entire squadron comes to NAS Jacksonville and then we fly with them. Phase three returns to Whidbey Island for the tactical phase." Another task of VP-30 is to train crows for

P-8A export customers, "We have Royal Air Force crews and the Royal Norwegian Air Force is also here". Groves says, "The first two crews from the BAE graduated in June 2019. More UK personnel have visited VP-30 for further training from British instructors and they were the first to stand up the P-8A program in the UK: the RAF will continue sending crews to Jacksonville to transition to the P-8A\* VP-30 runs between five and eight

classes per year with approximately 20 to 30 students in each class, In addition. the squadron offers an instructor Under Training course, teaching personnel how to instruct in the P-8A.

### Maintenance challenges "Compared to the P.3C the P.8A is more

reliable". Senior Chief Milton James says. "We get more flights out of it and maintenance turnarounds are pretty standard and quick. Young maintenance personnel usually come through an A-school for their knowledge of basic





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training in their craft. The training can take six to 12 months depending on the job. From that point, they come to us and we start working with them keeping the planes up and they get more proficient in their job supporting the aircraft.

"Bioht now VP-30 is maintaining 12 P-8As and we have four P-3Cs. The P-3C is a 1960s plane and trying to upkeep it is challenging?

# Multiple missions

The Poseidon's primary mission is ASW, but it also is used for anti-surface warfare and can be equipped with the Harpoon anti-ship missile. Intelligence. surveillance and reconnaissance tasks including counter-drug, search and rescue. humanitarian aid and disaster relief are Neo common

Squadrons will also deploy from the Continental US to Kadena in Japan and NAS Sigonella, Italy. From there the P-8As go to detachment sites, including: Keflavik Iceland: Laies on the Portuguese island of Terrains in the Americand PAE Lossiemouth in Scotland

Comes also deploy to South America for counter-drug missions and disaster relief in Argentina, Chile and El Salvador, One squadron assisted Amentina with the search for the missing submarine ARA San Juan in 2017

The P.SA is also designed to operate with Northrop Grumman's MO-4C Triton, a high-altitude, long endurance, unmanned aerial vehicle operated by Unmanned Patrol Souadron Of IPI 19 Bin Berl The unit is split, with operators and aircrew hased at NAS Jacksonville in the mission control center and maintainers and other Innistical connect necessarily based at NAS Point Mugu, California. The aircraft will also operate from Guam and Naval Station Mayport, Florida, in the future.

The Tritons fly intelligence surveillance and reconnaissance missions and relay information back to mission commanders in that area. The Triton is able to send full-motion video to the Poseidon providing the crew far more visibility to concentrate on their primary mission Some VP-30 instructors are dual qualified on Triton and P-84 🕫

Right-Packed with O Ste Francis flightling of MAS Jacksonville proves Host the P.3 Drive in the US Navy Dick Wels



Below: The P-8A is powered by two CFM56-7R27A turbotans Dick Web







Above: Poseidon 169010 1010', assigned to the Bureau of Personnel Sea Duty Component Dallas, is equipped with the Raythean Advanced Airborne Sensor (AAS) **Dick Wels** lature of though stripped of its unit markings, this P-3C AP+ Orion still belongs to training squadron VP-3D **Dick Wels** 

