

Navy's MQ-4C Triton Maritime UAV Picks up the Tempo



Northrop Grumman's Brad Champion briefs reporters in front of B21, the latest MQ-4C Triton the company delivered to the U.S. Navy. *Photo credit: Brett Davis*

NAVAL AIR STATION PATUXENT RIVER, Maryland – The MQ-4C Triton maritime uncrewed aircraft, built for the Navy by Northrop Grumman, has been picking up its operational tempo in recent months, even as international customers consider adding the high-flying drones to their fleets.

The U.S. Navy has ordered 24 of the high-altitude, long-endurance aircraft and Northrop Grumman recently delivered the 20th of the batch, tail No. B-21. That vehicle was in a hangar at Naval Air Station Patuxent River on June 13, when the company invited reporters to see it and get an update on the aircraft program.

Australia, a partner on the program, has ordered four and has received three of them so far.

Captain Josh Guerre, program manager for the Persistent Maritime Unmanned Aircraft Systems Office, said the Triton system has been racking up milestones since August of 2023 when its capability stood up in 7th fleet and it achieved initial operating capability. Since then, the Triton was stood up in 6th Fleet in April 2024 and 5th Fleet in October 2024, which Guerre called a “stair-step” progress.

“For us, getting to IOC was like the start of the base climb to Mount Everest, because then we had to stand up capability in two other theaters and then maintain that pace of operation in all three of those theaters in continuity,” Guerre said. “The good news is, we’ve done that.”

Over the last six months, “we’ve been able to execute 45 flights per month across all three operational orbits, 15 per orbit for six straight months,” Guerre said. The aircraft are operated remotely by crews in Jacksonville, Florida, well beyond the line of sight.

Triton is, as Guerre said, “a truck” that carries GEOINT (geographic intelligence) and SIGINT (signals intelligence) payloads, which the program is continually refining to meet the needs of combatant commanders.

Brad Champion, Northrop Grumman’s MQ-4C enterprise director, said although the Triton is a variant of the Global Hawk airframe, it’s very different and its sensor packages are hardened to meet the rigors of maritime environments and to transit through icy weather.

It is, he said, “the most advanced UAV that has ever been deployed by the U.S. Navy.”



An MQ-4C Triton peeks out of a hangar at Naval Air Station Patuxent River. *Photo credit: Brett Davis*

As the company nears the end of the current U.S. Navy buy, other countries are considering adding Triton to their fleets, including Norway, which is expected to down-select between the Triton and a competitor platform later this year.

NATO, which is already flying the Global Hawk as part of its Alliance Ground Surveillance program, wants to beef up its program as well with a maritime variant.

The Triton is expected to interface closely with the Navy's Boeing-built P-8 Poseidon crewed aircraft, as together they help pick up the workload of the aging P-3 Orion maritime surveillance aircraft.

The multi-intelligence version of the Triton "was selected as one of a family of systems to replace the EP-3," Champion said. "The EP-3 has sunset and Triton is picking up a portion of that mission from a SIGINT perspective."

Any country that flies P-8s should consider the Triton, Champion said, as they operate in a similar fashion and can share similar information. And, because the Triton can pick up the SIGINT portion of the work and leave the P-8s to conduct anti-submarine warfare, "we actually preserve the life of your P-8."