

Tech Demo Proves Out MQ-4C Triton and P-8 Poseidon Enhanced Interoperability



SAN DIEGO, Calif. – In a jointly funded technology demonstration, Northrop Grumman and Boeing demonstrated enhanced interoperability between the unmanned MQ-4C Triton and the manned P-8A Poseidon. In a first, the ability for the two systems to collaborate and automate mission control over open systems architecture was shown. This event is one example of how Northrop Grumman is committed to investing to accelerate capabilities for U.S. and international customers.

- The lab demonstration featured MQ-4C Triton and P-8A Poseidon exchanging maritime intelligence through a standardized interface that enables machine-to-machine mission planning and execution across platforms. In the

exchange, Triton's system used AI algorithms to collect, process and share intelligence data with P-8A Poseidon in response to a request sent by the P-8A Poseidon system.

- Using this standardized interface, Triton can collaborate with other U.S. or allied assets sharing the same interface – cutting operator workload and accelerating commander decision-making, making integration across platforms quicker and more cost effective.
- The Universal Command and Control Interface is a machine-to-machine collaboration standard based on Open Mission Systems and Autonomy – Government Reference Architecture.

Experts:

Jane Bishop, vice president and general manager, global surveillance division, Northrop Grumman: "MQ-4C Triton and P-8A are the backbone of the U.S. Navy's maritime patrol and reconnaissance force, delivering complementary capabilities unmatched by any other platforms. This demonstration underscores the flexibility of our systems, our unwavering industry investment and the strength of our industry relationships. Our commitment to pushing the boundaries of advanced technology ensures that the U.S. and allied nations operators maintain an unparalleled edge against evolving maritime threats."

Tory Peterson, vice president, Boeing P-8 Program: "This Poseidon-Triton teaming demonstration unlocks real-world capability and interoperability for the U.S. and allies. We're investing so that current and future global P-8A operators can expand the scope and effectiveness of their missions with low risk, evolutionary enhancements on the most advanced maritime patrol and reconnaissance aircraft already in service."