## Boeing Begins Construction on New Phantom Works Facility



The Boeing Phantom Works' Advanced Coatings Center in St. Louis will house state-of-the-art, post-assembly phases of future military aircraft production (Boeing artist's concept).

Release from Boeing

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 The Advanced Coatings Center is the latest factory supporting innovation efforts

 State-of-the-art facility will house critical post-assembly phases of production

 Secure facility is key to defense business modernization and expansion plans

ST. LOUIS, May 26, 2023 – Boeing [NYSE: BA] has begun construction on a new facility to house state-of-the-art, post-assembly phases of future military aircraft production.

The new Advanced Coatings Center will be a secure facility operated by Phantom Works, Boeing Defense, Space & Security's proprietary research, development and prototyping division. The construction phase of the 47,500 square-foot facility is underway, and the center is expected to be operational in 2025.

"As we pivot toward future programs, Boeing's defense business is in the midst of one of the most significant investments in new facilities in our history," said Steve Nordlund, Air Dominance vice president and general manager, and St. Louis senior site executive. "This investment is not only to win new future franchise programs but, more importantly, to enable the United States to outpace increasingly capable and aggressive adversaries. We are revolutionizing how aircraft are designed, built and delivered because the threats demand it," Nordlund said.

The Advanced Coatings Center is the third new facility revealed as part of Phantom Works' multi-billion-dollar Production System of the Future effort, enabling Boeing to scale a platform-agnostic, modular and flexible digital production system across future defense programs. Last fall, the company opened the new Advanced Composite Fabrication Center in Mesa, Ariz., and added a new St. Louis-based Lab and Test facility over the winter. Additional new factories supporting various phases of production are planned for the coming years.

"This facility is great news for Missouri and for our nation," said Missouri Gov. Mike Parson. "With more than 15,000 employees, Boeing is Missouri's largest manufacturer that helps spur this state's economic growth every day. This new facility shows our commitment to growth and our investment in the talented workforce."

## HII Redelivers USS George Washington (CVN 73) to U.S. Navy



Release from HII

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NEWPORT NEWS, Va., May 25, 2023 (GLOBE NEWSWIRE) – HII (NYSE: HII) announced today that its Newport News Shipbuilding division has redelivered the nuclear-powered aircraft carrier USS *George Washington* (CVN 73) to the U.S. Navy. The redelivery took place after successful sea trials that tested the ship's systems following its refueling and complex overhaul (RCOH) at NNS.

"Redelivering *George Washington* to the Navy is the end result of incredible teamwork between our shipbuilders, the CVN 73 crew, our government partners and all of our suppliers," said Todd West, NNS vice president, in-service aircraft carrier programs. "George Washington has gone through a transformation and now returns to the fleet as a fully recapitalized ship, ready to support any mission and serve our nation for another 25 years."

Sea trials test the carrier's systems and operations at sea, including high-speed operations. The trials team, comprising sailors, shipbuilders and government representatives, puts the ship through a series of tests designed to prove system performance and demonstrate all the carrier's capabilities at sea.

A photo accompanying this release is available at: <a href="https://hii.com/news/hii-redelivers-uss-george-washington-cvn-73-to-u-s-navy">https://hii.com/news/hii-redelivers-uss-george-washington-cvn-73-to-u-s-navy</a>.

"Getting our warship redelivered and back out to sea to take its place as the premier CVN in the world's greatest Navy is a direct result of the tenacity and grit displayed by our warfighters," said Capt. Brent Gaut, Washington's commanding officer. "To our incredible Sailors, contractors and shipyard workers: I am proud of you, and I sincerely hope you feel an extreme sense of pride as well, especially in light of our once-in-a-lifetime achievement. You all share an equal part in the legacy of getting our warship back into Navy service at a pivotal moment in our great nation's history. Our collective intent is to show the world what we can do, and what we must do in support of America's strategic and operational objectives."

The RCOH process is performed only once during the ship's lifetime and involves upgrades to nearly every space and system on the ship. Tanks, the hull, shafting, propellers, rudders, piping, ventilation, electrical, combat and aviation support systems are repaired, upgraded and modernized. Work also includes defueling and refueling the ship's two nuclear reactors as well as repairs, maintenance, and upgrades to the propulsion plant.

NNS is the only shipyard with the skilled workforce and facilities equipped for this project. USS *George Washington* is the sixth *Nimitz*-class carrier to undergo RCOH. The RCOH represents 35 percent of all maintenance and modernization in an aircraft carrier's service life.

Work continues at NNS on the RCOH for USS *John C. Stennis* (CVN 74), with steady progress so far this year, including the installation of the main mast.

# HII's Apprentice School at Newport News Shipbuilding Selected for National Apprenticeship Program



Release from HII

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NEWPORT NEWS, Va., May 25, 2023 (GLOBE NEWSWIRE) – HII (NYSE: HII) announced today that its Newport News Shipbuilding Apprentice School has been selected for the U.S. Department of Labor's Apprenticeship Ambassador program.

The program, launched in November 2021, aims to promote and support Registered Apprenticeship opportunities nationwide. This initiative is an effort to modernize, strengthen, diversify and accelerate the use of apprenticeships to advance career pathways and equity in the nation's economic recovery. The Newport News Shipbuilding Apprentice School is one of 98 organizations selected in the second cohort to serve as an ambassador.

"This recognition is a testament to Newport News Shipbuilding's commitment to apprenticeships," said Dr. Latitia McCane, director of education at The Newport News Shipbuilding Apprentice School. "We look forward to learning from others in this space and sharing our best practices nationally as we all work to build our future workforce." Funded by HII to train and develop the next generation of shipbuilders, <u>The Newport News Shipbuilding Apprentice School</u> offers four- to eight-year, tuition-free apprenticeships in 19 trades and eight optional advanced programs.

A photo accompanying this release is available at: <a href="https://hii.com/news/hii-apprentice-school-at-newport-news-shi">https://hii.com/news/hii-apprentice-school-at-newport-news-shi</a> <a href="pbuilding-national-apprenticeship-program-2023">pbuilding-national-apprenticeship-program-2023</a>.

Accredited by the Council for Occupational Education, The Newport News Shipbuilding Apprentice School is certified to offer associate's degrees of applied science in maritime technology in 26 educational programs. Through partnerships with Virginia Peninsula Community College, Tidewater Community College and Old Dominion University, the Apprentice School's academic program provides the opportunity to earn associate degrees in business administration, engineering and engineering technology and bachelor's degrees in mechanical or electrical engineering.

You can learn more about the Department of Labor's Apprenticeship Ambassador Initiative <u>here</u>.

## USS SHOUP Completes First Forward-Deployed Naval Patrol March 2023



USS SHOUP Completes First Forward-Deployed Naval Patrol March 2023

Release from U.S. 7th Fleet

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By Ensign Jayla Darby

23 May 2023

COMBINED FLEET ACTIVITY, Yokosuka – The Arleigh Burke-class guided-missile destroyer USS SHOUP (DDG 86) returned to Combined Fleet Activity Yokosuka, Japan, following the completion of its first Forward-Deployed Naval Forces (FDNF) patrol in the U.S. 7th Fleet (C7F) area of operations, Mar. 23.

SHOUP arrived in Seventh Fleet, Dec. 22', as the newest FDNF ship under Destroyer Squadron FIFTEEEN to conduct naval operations in the South China Sea in support of U.S. national security.

"I'm extremely excited for SHOUP to join the DESRON 15 and Seventh Fleet Team. We've been training for over two years for this opportunity," said CDR D. R. Tourtelotte, Commanding Officer.

Once SHOUP's crew had time to acclimate to their new surroundings which included many trips to appreciate what Japan had to offer as their new home. For Her first task in Seventh Fleet, SHOUP joined a U.S.-JMSDF five-ship Surface Action Group for a multiple week-long operations in the Philippine Sea. SHOUP began the patrol just like nothing had changed from previous underways and exercises with the crew's mindset already established on one goal. Knowing their new role and responsibility. SHOUP's CMC, CMDCM J. S. Houske expressed urgency through his energetic rendition of the ship's new command philosophy, "STRENGTH, HONOR, OWNERSHIP, UNITY, PRESERVATION!!!"

Following SHOUP's underway time of 36 consecutive days out to sea, a port visit was in the plans. Guam was the perfect place to have SHOUP sailors relax as well as replenish much needed stores and supplies to continue to be the most capable destroyer or the "Tip of the Spear" in most cases based out of Yokosuka, Japan. Sailors took advantage of the vast beaches and historical landmarks like Tumon Beach and War in the Pacific Historical Park. SHOUP sailors were in awe of the mesmerizing views displayed at Two Lover's Point and natural attractions like Pagat Caves.

"The SHOUP team worked extremely hard at sea and accomplished the mission with near-perfection despite a seemingly endless pattern of storms in the Philippine Sea. The port visit in the beautiful island of Guam was a nice change of scenery for the crew. The time in port was used to relax, enjoy the sun, and resupply before setting sail for our homeport of Yokosuka," comments LCDR T.M. Winters, Executive Officer. As SHOUP completes its inaugural FDNF patrol, the ship travelled through the Seventh Fleet AOR as it accrued many of accomplishments to be proud of based on the crew's resiliency and technical prowess. Accomplishments like 750 newly qualified sailors in rating and watch stations, 2 newly appointed LDOs, 1 DESRON SOY, Newly appointed CMDCS Coutcher, 5 Full power runs, over 40 hours combined, 3 newly qualified ESWS Warriors, lastly as a fitting end to help cool down the crew...A successful Ice Cream Social.

"The SHOUP Team had an outstanding first patrol in the Seventh Fleet AOR. I'm very proud of how well this crew performed," said CDR D. R. Tourtelotte, Commanding Officer.

USS SHOUP, forward-deployed to Yokosuka, Japan operates in support of U.S. national security interests in the C7F area of operations tied to COMBINED FLEET ACTIVITY, Yokosuka. Through it all USS SHOUP proved to be a valuable asset in Seventh fleet to its new DESRON and allies alike.

uAvionix RT-2087/ZPX Miniaturized Transponder Selected for Tactical Resupply Unmanned Aircraft Systems



Release from uAvionix

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### 05/03/23| Press Release

Bigfork, MT 24 May 2023 — uAvionix Corporation defense customer, SURVICE Engineering of Belcamp, MD has been awarded a production contract from the Navy and Marine Corps Small Tactical Aircraft Systems Program Office. The production efforts will successfully equip U.S. warfighters using Tactical Resupply Unmanned Aircraft Systems (TRUAS) with innovative multirotor drones that augment logistical operations at the forward edge of the battlefield. uAvionix's <u>AIMS-certified</u> RT-2087/ZPX Combat ID and Air Traffic Control surveillance system has been selected for inclusion in the production effort to satisfy the TRUAS Identification Friend or Foe (IFF) Transponder and ADS-B requirements for UAS operating both in the battlefield and in civilian airspace. "We congratulate SURVICE Engineering on this important award. The TRUAS program will provide an important function to the U.S. Navy and Marine Corps and demonstrates how innovative small UAS can support the warfighter in multiple roles. The RT-2087/ZPX delivers uncompromised performance in a convenient, rugged, miniaturized form factor that meets the needs of tactical UAS operations," notes Christian Ramsey of uAvionix Corporation. "Our continued collaboration with SURVICE Engineering highlights the importance of proven and dependable low Size, Weight, and Power (SWaP) avionics and their ability to deliver core functionality while not impacting UAS payload and range performance."

Small unmanned aircraft systems (sUAS) require low SWaP avionics to save space and weight for operational capabilities such as extended range or heavier packages. Military use of sUAS adds additional requirements to ensure that the UAS itself can be properly identified for airspace deconfliction and **battlefield** situational awareness. In particular, these Combat UAS must be equipped with transponders that allow armed forces to distinguish friendly aircraft from enemy aircraft. The capability, commonly known as Identification Friend or Foe (IFF), relies on transmissions between an interrogating device and the aircraft where the messages are encrypted to prevent interception by enemy forces. Traditionally the IFF transponders were large and heavy; suitable only for larger aircraft. However, with the advent and AIMS certification of the RT-2087/ZPX in March 2021, UAS used for tactical military operations can now be equipped with a fully functional IFF micro transponder and associated crypto unit measuring in grams instead of pounds.

Relying on its best-in-class SWaP, the RT-2087/ZPX selected for use in SURVICE's contract ably meets the TRUAS requirements and supports a timely delivery of improved tactical functionality to the warfighter. Capable of carrying more than 100 pounds over distances ranging from 6 to 15 km, the resulting TRUAS will support the delivery of critical supplies to forward-deployed units.

The uAvionix line of ZPX transponder products, such as the RT-2087/ZPX, enable secure Mode 5 platform identification for UAS. Each uAvionix ZPX transponder has a built-in crypto emulator to support development and testing without the security burdens imposed by using actual cryptos, and ZPX transponders possess Mode S/1090ES ADS-B functionality to comply with civil requirements and simplify equipage for military aircraft having to transit civil airspace.

# USS TRUXTUN RETURNS FROM Deployment



230525-QI061-1194 NORFOLK (May 25, 2023) The Arleigh Burke-

class guided-missile destroyer USS Truxtun (DDG 103) returns to Naval Station Norfolk following a nine-month deployment with Carrier Strike Group (CSG) 10. The George H.W. Bush CSG was deployed to the U.S. 5th Fleet and U.S. 6th Fleet areas of operation to defend U.S., allied and partner interests. (U.S. Navy photo by Mass Communication Specialist Nathan T. Beard) Release from U.S. 2nd Fleet

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25 May 2023

NORFOLK, Va. – The Arleigh Burke-class guided-missile destroyer USS Truxtun (DDG 103) returned to its homeport of Naval Station Norfolk, May 25, 2023, following an eight-month deployment with Carrier Strike Group (CSG) 10, George H.W. Bush CSG, to the U.S. 5th Fleet and U.S. 6th Fleet areas of operation.

"Truxtun's crew represents the absolute best of America," said Cmdr. Adam Miller, commanding officer of Truxtun. "They demonstrated exemplary conduct ashore in foreign ports and sustained superior performance operating at sea. From deterring illicit activity in the Red and Arabian Seas to sailing alongside our NATO Allies in the Mediterranean, our crew excelled at every mission tasked to us."

Following completion of a four-week composite training unit exercise, Truxtun deployed in August 2022 alongside the Nimitz-class aircraft carrier USS George H.W. Bush (CVN 77), the Arleigh Burke-class guided-missile destroyers USS Farragut (DDG 99) and USS Delbert D. Black (DDG 119), and the Ticonderoga-class guided-missile cruiser USS Leyte Gulf (CG 55).

Truxtun entered U.S. 5th Fleet in December 2022. While in the Middle East, Truxtun participated in Exercise AMAN, a series of multilateral naval exercises hosted by the Pakistani Navy, and International Maritime Exercise 2023, a U.S. Naval Forces

Central Command (NAVCENT) hosted naval training exercise that was combined with the U.S. Naval Forces Europe-Africa-led exercise Cutlass Express 2023, which involved more than 50 partner nations and international organizations operating in the Arabian Gulf, Arabian Sea, Gulf of Oman, Red Sea, Indian Ocean, and East African coastal regions.

In January 2023, Truxtun participated in exercise Juniper Oak 23-2, the largest bi-lateral U.S.-Israeli exercise in history. Led by U.S. Central Command and the Israeli Defense Force, Juniper Oak 23-2 was designed to enhance interoperability between the U.S. and Israeli militaries. Juniper Oak 23-2 joined the long-standing "Juniper" series that the U.S. and Israel have conducted for more than 20 years.

In April 2023, Truxtun operated off the coast of Sudan in support of Department of State's evacuation efforts.

Throughout the deployment, the crew conducted scheduled port visits to Split, Croatia; Souda Bay, Crete, Greece; Toulon, France; Aqaba, Jordan; Eilat and Haifa, Israel; and Duqm, Oman. Additionally, the crew hosted key leaders, including Rear Adm. Michael Sciretta, commander, Standing NATO Maritime Group 2, strengthening U.S.-partner relationships across the theaters.

"Truxtun is a warship ready for tasking, and that is possible thanks to the talent and dedication of our crew," Miller said. "I am so proud of every one of our Sailors and thankful for the work they've invested to bring us home safely."

George H.W. Bush is the flagship of CSG-10, George H.W. Bush CSG. CSG-10 is comprised of George H.W. Bush, Carrier Air Wing (CVW) 7, Destroyer Squadron (DESRON) 26, the Information Warfare Commander, and Leyte Gulf.

The ships of DESRON-26 completing deployment within CSG-10 are the Arleigh Burke-class guided-missile destroyers USS Nitze

(DDG 94), Truxtun, and Delbert D. Black.

The squadrons of CVW-7 embarked aboard the George H.W. Bush are the "Sidewinders" of Strike Fighter Squadron (VFA) 86, the "Jolly Rogers" of VFA-103, the "Knighthawks" of VFA-136, the "Pukin Dogs" of VFA-143, the "Bluetails" of Carrier Airborne Early Warning Squadron (VAW) 121, the "Patriots" of Electronic Attack Squadron (VAQ) 140, the "Nightdippers" of Helicopter Sea Combat Squadron (HSC) 5, and the "Grandmasters" of Helicopter Maritime Strike Squadron (HSM) 46.

For more information about USS Truxtun (DDG 103) or U.S. 2nd Fleet, contact C2F\_PAO@navy.mil.

# SCSTC Launches Virtual Maintenance Trainer Pilot at the Waterfront



FOR IMMEDIATE RELEASE

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May 25, 2023

### Contact: Kimberly Lansdale

DAHLGREN, Va. – The Navy has authorized the delivery of the most advanced maintenance training systems to the waterfront. To achieve this, Commander, Naval Surface Force, U.S. Pacific Fleet, Commander, Naval Education and Training Command, and Navy Regional Maintenance Center and Naval Sea Systems Command Director, Surface Ship Maintenance and Modernization, have approved Surface Combat Systems Training Command (SCSTC) to execute a six-month Virtual Maintenance Trainer (VMT) pilot program across the waterfront community.

The VMT, an immersive 3D training tool built to support Aegis Weapon System (AWS) maintenance training, is part of the Director, Surface Warfare's (OPNAV N96) program of record, Surface Training Advanced Virtual Environment-Combat Systems (STAVE-CS). These VMT solutions are currently delivering the right training, at the right time, in the right way in our schools, so Sailors are ready to maintain their equipment at peak capability and reliability to win the high-end fight.

"In an effort to optimize this initiative, we want to test the effectiveness of standalone VMT systems to support maintenance skill, proficiency training, and maintenance support," said SCSTC's Commodore, Capt. George A. Kessler, Jr. "Our goal is to get the SPY-1D(V) Radar and Aegis Computer Network Technician [ACNT] VMTs out to the fleet to learn how our ships, training teams, and maintenance teams might utilize the tools to support just in time training prior to a maintenance check, casualty troubleshooting support and maintenance training proficiency. SCSTC will then take that feedback to update the systems and provide a scaled-up plan to better support the fleet."

From April 2023 through October 2023, SCSTC will collect and analyze data captured from two Baseline 9 (BL 9) Technology

Insertion (TI)-16 ships, the Arleigh Burke-class destroyers USS Frank E. Petersen, Jr. (DDG 121) and USS Lenah Sutcliffe Higbee (DDG 123); Regional Maintenance Centers (RMCs) in San Diego and Pearl Harbor; and supporting SCSTC waterfront detachments. To facilitate the delivery of these tools, SCSTC loaded VMT capability on standalone laptops and provided them to each location for use.

SCSTC and the manufacturer then provided training at each location to cover system specifics to include functionality, operation, employment, and data collection. The initial Train the Trainer (TtT) session was conducted with Frank E. Petersen, Jr., Hawaii RMC, and SCSTC Detachment Middle Pacific, 18-20 April. Separate sessions were conducted with Southwest RMC, SCSTC Detachment Southwest, and Lenah Sutcliffe Higbee. The training was well received and set the baseline for the execution of the pilot over the next six months.

### Why have VMTs aboard ships?

A knowledge refresher tool for technicians will be the primary use of VMT aboard ships. The VMT will provide technicians an opportunity to refresh themselves on proper procedures, tools, skills, and techniques needed to support preventive maintenance efforts while at sea.

"Typically, technicians have a number of infrequent maintenance tasks that they need to perform on their systems," explained Mr. Christopher Odachowski, a management analyst for SCSTC HQ's technical support directorate, N9, and primary lead for the pilot initiative. "These tasks that support preventive maintenance can be challenging for technicians if they have not performed it in a long time, or have limited experience. The VMTs can be used to practice maintenance virtually in a safe environment to refresh knowledge and build confidence prior to physically performing the check on the tactical equipment. Technicians can also practice complex repairs to the system prior to execution." The secondary use of a VMT aboard a ship is for Combat System Training Team events.

"The VMT can be employed in the training environment to simulate system casualties the ships currently train to address throughout the basic and advanced phase of training," Odachowski said.

The VMT provides realistic casualty control and repair scenarios at a level not seen to date on the waterfront. The Combat Systems Training Team (CSTT) can shift from yellow sticky notes and talking through the casualty response to the technicians actually working through the symptoms, executing the associated work packages, and getting their ship back in the fight.

### Execution of pilot aboard ships

The VMT hosts software that is a virtualization of the technical insertion TI-16 AWS hardware set along with a virtualization of SPY-1D(V). Frank E. Petersen, Jr. and Lenah Sutcliffe Higbee were selected for this pilot to maximize applicability since both ships have the TI-16 hardware and AN/SPY-1D(V) with Multi-Mission Signal Processor (MMSP) radar. The ships will conduct a six-month test period comprised of two elements; free play and specific training events, with 557 ACNT scenarios and 247 Aegis SPY-1D scenarios at their disposal.

"DDG 121 and DDG 123 will use the VMT as desired and the system will record utilization and document technician proficiency," explained Lt. Shane Ortiz, SCSTC HQ's training directorate's, N7, waterfront coordinator. "During the initial load-out and training, the ships will also identify specific, upcoming infrequent maintenance checks to conduct targeted training prior to execution and collect feedback upon conclusion of maintenance."

### Why have VMTs at specific waterfront locations?

Typically, technicians and Instructors at the RMCs and SCSTC's waterfront detachments have been trained in earlier versions of the ACNT or SPY systems but do not receive the specific schoolhouse training on the newest systems that they will have responsibility for in their area of operation.

"Having a VMT onsite, along with initial training on the use and operation of the VMT, will help technicians and Instructors expand their knowledge of these newer systems," explained Mr. Ron Lavold, a management analyst for SCSTC HQ's N9 and secondary lead for the pilot program. "The VMT is not solely for apprentice level technicians. This pilot will assist us with our overall goal in expanding the VMT's utilization across all skill levels."

Another goal of this pilot is to evaluate the VMT as a potential distance support tool at the RMCs. The VMT is designed as a distributed training tool, with Voice over Internet Protocol (VoIP), and real time live student monitoring. These built-in capabilities potentially could be employed to support forward deployed technicians with troubleshooting of their systems when casualties are beyond their technical expertise.

### Execution of pilot at RMCs and SCSTC waterfront detachments

SCSTC and the RMCs will create a recommended training plan for technicians assigned to the RMC maintenance and SCSTC waterfront detachment teams to develop and maintain proficiency on BL 9 and SPY-1D(V) with MMSP radar. RMCs will then execute the recommended training proposals, evaluate the VMT for viability as a potential distance support tool for the fleet, and provide focused feedback on VMT usefulness in preparation for maintenance actions.

#### Feedback process

SCSTC has created a feedback team that will be collecting quantitative

and qualitative data from VMT users throughout the six-month period to determine efficiency of the VMT as a training tool.

"Quantitative data will be collected from the VMT files recorded in each user profile, bi-weekly usage emails, and a user questionnaire," said Mr. Eric Hall, a management analyst for SCSTC HQ's N7. "Qualitative

data will be collected during focused fleet feedback discussions."

Post Pilot

SCSTC will provide a summary of findings to Navy leadership and recommendation for next steps if the VMT capability aboard ships and onboard RMCs and supporting SCSTC waterfront detachments proves to be beneficial.

"The launch of this VMT initiative is a result of an incredible amount of teamwork between headquarters and our learning sites and detachments, SCSTC AEGIS Training and Readiness Center, SCSTC Det Middle Pacific, SCSTC Det Southwest; Regional Maintenance Centers; and our industry partners," said SCSTC's Executive Director, Mr. Brian Deters. "We are excited and look forward to the results of this important event."

For information about the Surface Combat Systems Training Command, visit <a href="https://www.netc.navy.mil/SCSTC">https://www.netc.navy.mil/SCSTC</a>

Visit SCSTC on Facebook
https://www.facebook.com/SurfaceCombatSystemsTrainingCommand

## Navy Scaling Back Planned Triton Deployable Sites from Five to Three



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ARLINGTON, Va. — The U.S. Navy is planning to reduce the number of planned deployment sites for its MQ-4C Triton highaltitude, long-endurance unmanned aerial vehicles in accordance with its planned reduction in the number of Tritons being procured.

"FY24 quantity is being reduced from four to two aircraft; a total program of record procurement is being reduced from 70 aircraft to 27," said a Navy spokesperson in response to a query from Seapower. "This quantity reduction is based on the Joint Requirements Oversite Council re-evaluation of worldwide ISR&T [intelligence, surveillance, reconnaissance, and

targeting] requirements that resulted in direction to reduce total MQ-4C deployable locations (orbits) from five to three."

The Navy had originally planned to establish orbits in Jacksonville, Florida; Whidbey Island, Washington; Sigonella, Sicily; Guam; and a base in the U.S. Central Command area of responsibility. The Navy did not specify which three sites were still planned for the Triton.

At five orbits and four Tritons per orbit – able to keep an aircraft on station 24/7 – the 20 aircraft required was far lower than the planned for procurement of 70. The original planned procurement would have allowed the Navy to purchase them at economic quantities, keep some in storage, and to sustain Triton operations over many years as the early aircraft reached the end of their service lives.

With three orbits, the total number of 12 Tritons required to sustain them would leave 15 available for attrition, training, and depot-level maintenance.

"When determining the number of air vehicles for a program of record, attrition is a part of the equation when considering the lifespan of the program," the spokesperson said.

Unmanned Patrol Squadron (VUP) 19, home-based at Naval Air Station Jacksonville, Florida, deployed two MQ-4Cs to Andersen Air Force Base in Guam in 2020 to provide MISR&T for the U.S. 7th Fleet while developing the concept of operations and the tactics to refine the Triton's operations. The detachment operated from Guam; Naval Air Facility Misawa, Japan; and Marine Corps Air Station Iwakuni, Japan, the Navy said in a March 16 release. The detachment returned from deployment in March.

The two deployed Tritons were of the baseline Integrated Functional Capability (IFC) 3 configuration. The squadron has since received newer versions in the IFC 4 configuration, which are equipped with a more capable sensor suite that will allow them to replace the Navy's fleet of EP-3E Orion electronic reconnaissance aircraft. The MQ-4C will supplement the Navy's P-8A Poseidon maritime patrol aircraft.

VUP-19 is bringing the Triton to Initial Operational Capability in 2023 with the establishment of an orbit in Guam in support of the 7th Fleet's Task Force 72.

Northrop Grumman delivered the fourth IFC 4 Triton to the squadron in May to complete the set of aircraft for the Guam orbit while the first aircraft for the second orbit is scheduled to deliver in June, according to Rho Cauley-Bruner, director, Triton program.

# HII is Awarded Advance Procurement Contract Modification For Virginiaclass Block V Submarines



Montana SSN 794 Alpha Sea Trials Release from General Dynamics Electric Boat

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NEWPORT NEWS, Va., May 24, 2023 (GLOBE NEWSWIRE) – HII (NYSE: HII) announced today that its Newport News Shipbuilding division has received a \$305.2 million contract modification from General Dynamics Electric Boat to procure long-lead-time material for two additional Block V Virginia-class submarines.

The contract modification brings the overall contract value to \$10.2 billion.

"These funds are critically important to stabilizing and providing predictability to the thousands of suppliers across the country who support the *Virginia*-class program," said Jason Ward, NNS vice president of *Virginia*-class submarine construction. "The submarine industrial base is crucial to our shipbuilding success and we look forward to continuing to build these vital national security assets that will deliver to the U.S. Navy with the latest technology." NNS is one of only two shipyards capable of designing and building nuclear-powered submarines for the U.S. Navy. The advanced capabilities of *Virginia*-class submarines increase firepower, maneuverability and stealth.

A photo accompanying this release is available at: <a href="https://hii.com/news/hii-awarded-advance-procurement-contract-modification-virginia-class-block-v-submarines/">https://hii.com/news/hii-awarded-advance-procurement-contract-</a> <a href="modification-virginia-class-block-v-submarines/">modification-virginia-class-block-v-submarines/</a>.

## SECNAV awards MSGs for successful evacuation from Khartoum



Release from U.S. Marine Corps Communications Directorate

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Secretary of the Navy, the Honorable Carlos Del Toro, visited Marine Corps Embassy Security Group Headquarters at Marine Corps Base Quantico, Va., on May 19 to personally thank the Marines with Marine Security Guard Detachment Khartoum for their exceptional performance during the evacuation of the U.S. Embassy in Khartoum, Sudan. The primary role of an MSG is to protect personnel, classified information, and government property at U.S. diplomatic facilities around the globe. When fighting occurred within Sudan between two militant groups on April 15, the Marines continued their daily duties. As the conflict drew nearer and became more aggressive, the Marines received their orders to begin preparation for an evacuation.

Throughout the operation, the Marines continued to stand both of their posts, which are manned 24 hours a day, 365 days a year. Additionally, the Marine standing Post One provided command and control for the evacuation and provided real-time updates and information to and from the Chief of Mission and embassy personnel. When the evacuation was completed on April 23, the Marines said the feeling was bittersweet.

"It's a humble feeling being back in the heart of it all, and it reminds you that the greater mission of MCESG is ongoing and we must continue to support that mission," said Staff Sgt. Derek Ferrari, the Detachment Commander for Detachment Khartoum. "The detachment is deactivated but not disbanded yet, and I continue to be impressed with my Marines' ability to remain engaged and take are of one another the same way they did in Khartoum."