

Navy Awards BAE Systems \$154 M for Engineering and Technical Integration Services

MCLEAN, Va. – BAE Systems has been awarded a five-year indefinite delivery, indefinite quantity contract worth up to \$154 million to continue supporting the U.S. Navy's Naval Air Warfare Center Webster Outlying Field, the company said Jan 4.

Under the contract awarded in November, BAE Systems will support the rapid integration and sustainment of command, control, communications, computers, combat systems, intelligence, surveillance, and reconnaissance systems for the Special Communications Mission Systems Division.

"Those on the front lines need rapid integration of the latest technologies to ensure open, clear, secure, and reliable communications," said Lisa Hand, vice president and general manager of BAE Systems Integrated Defense Solutions. "Our C5ISR experts will provide custom solutions for military and commercial based communications platforms that will enable enhanced capabilities within the U.S. and abroad."

BAE Systems' production and technical leads provide lifecycle sustainment, front-end production and systems engineering, and installation services at the customer's Special Communication Rapid Integration Facility. They deliver high-quality, integrated components and systems for small and large craft, commercial and militarized vehicles, transit cases, radio and mobile communications, fixed base stations, command centers, and intelligence systems. The completed systems are supplied to the Navy, Special Operations Forces, the Department of Homeland Security, and other Department of Defense and non-

defense agencies.

USS Abraham Lincoln Deploys with First Marine Corps F-35C Squadron



An F-35C Lightning II, assigned to the “Black Knights” of Marine Fighter Attack Squadron (VMFA) 314, prepares to land on the flight deck of the aircraft carrier USS Abraham Lincoln (CVN 72). Abraham Lincoln is underway conducting routine operations in the U.S. 3rd Fleet. *U.S. NAVY / Mass Communication Specialist 3rd Class Michael Singley*
SAN DIEGO – The USS Abraham Lincoln (CVN 72) departed on a regularly scheduled deployment Jan. 3 as the centerpiece of a carrier strike group that included the Marine Corps’ first

F-35C Lightning II squadron.

The Abraham Lincoln Carrier Strike Group (CSG) is led by the command staff of CSG 3 and consists of Nimitz-class aircraft carrier USS Abraham Lincoln (CVN 72), Carrier Air Wing Nine (CVW-9), the Ticonderoga-class guided-missile cruiser USS Mobile Bay (CG 53), and the Arleigh Burke-class guided-missile destroyers of Destroyer Squadron 21 (DESRON 21) – USS Fitzgerald (DDG 62), USS Gridley (DDG 101), USS Sampson (DDG 102) and USS Spruance (DDG 111).

CVW-9 includes Marine Fighter Attack Squadron 314 (VMFA-314), the Corps' first F-35C squadron. The deployment marks the second carrier deployment of the F-35C.

The Marine Corps plans to field a total of four F-35C squadrons and have committed two of them to the Tactical Air Integration program of deploying with CVWs.

The USS Carl Vinson (CVN 70) currently is deployed to the Indo-Pacific region with the Navy's first fleet F-35C squadron, Strike Fighter Squadron 147 (VFA-147), on board.

CVW-9 also includes VFA-14, equipped with F/A-18F Super Hornet Strike Fighters; VFAs 14 and 151, equipped with F/A-18Es; Electronic Attack Squadron 133 (VAQ-133), with EA-18G Growler electronic attack aircraft; Airborne Command and Control Squadron 117 (VAW-117) with E-2D Advanced Hawkeye aircraft; Helicopter Sea Combat Squadron 14 (HSC-14) with MH-60S Seahawk helicopters; Helicopter Maritime Strike Squadron 71 (HSM-71) with MH-60R Seahawk helicopters; and a detachment of Fleet Logistics Multi-Mission Squadron 30 (VRM-30), equipped with the CMV-22B Osprey carrier-onboard delivery aircraft.

"The entire CSG 3 team is trained and ready to deter and, if necessary, win conflicts as called upon by our nation's leaders," said Rear Adm. J.T. Anderson, commander, Carrier Strike Group 3, in a release from U.S. 3rd Fleet. "As we leave

today on this routine, scheduled deployment, I know the Sailors and Marines of this team will continue to serve this great nation and its people. It is our honor to do so.”

NAVSEA Orders Two More Mark VI Patrol Boats for Ukraine



A Mark VI is launched from the amphibious dock landing ship USS Ashland (LSD 48) in the Philippine Sea in February 2021. *U.S. NAVY / Mass Communication Specialist 3rd Class Madysson Anne Ritter*

ARLINGTON, Va. – The U.S. Navy has ordered two more Mark VI patrol boats for the government of Ukraine, the Defense Department said.

The Naval Sea Systems Command awarded SAFE Boats International of Bremerton, Washington, a \$25.6 million firm-fixed-price modification “for the exercise of options for construction, outfitting, reactivation, and training of two Mark VI patrol boats,” the Dec. 30 announcement said.

The order is funded with some of the \$125 million Ukraine Security Assistance Initiative funds through the fiscal year 2021 Building Partner Capacity initiative.

In June 2020, the U.S. State Department has approved the possible foreign military sale of up to 16 Mark VI patrol boats and related equipment to Ukraine for an estimated cost of \$600 million, the Defense Security Cooperation Agency said. The December order brings the total ordered to date to 12 boats.

“This action reaffirms the U.S. commitment to providing defensive lethal weapons to enable Ukraine to more effectively defend itself against Russian aggression,” the Defense Department said of an earlier sale of Mark VI boats to Ukraine.

The patrol boats will be operated by the Ukrainian navy to defend territorial waters and other maritime interests. They each will be armed with two MSI Seahawk A2 gun systems and two Mk44 cannons and equipped with electro-optical/infrared sensors and loud-speaker systems.

Mark VI patrol boats are used by the Navy Expeditionary Combat Command for escort of high-value ships, coastal patrol, and other maritime security missions.

The boats will be built in Tacoma, Washington, and deliveries are expected to be completed by March 2026.

750 F-35s in Service as 2022 Begins, Lockheed Martin Says



U.S. Marines with Marine Fighter Attack Squadron 314 and Marine Aerial Refueler Transport Squadron 352, Marine Aircraft Group 11, 3rd Marine Aircraft Wing, conduct a new expeditionary landing demonstration with M-31 arresting gear Interim Flight Clearance (IFC), on Marine Corps Air Ground Combat Center Twentynine Palms, Calif., Dec. 3rd, 2020. This new capability allows the F-35C Lightning II to land on smaller runways anywhere in the world and ensures extended flexibility in combat operations. *U.S. MARINE CORPS / Cpl. Cervantes, Leilani*

FORT WORTH, Texas – Lockheed Martin completed another successful year as the F-35 program continued to expand its global footprint and enhance operational capabilities, the company said Jan. 3.

In 2021, two new countries, Switzerland and Finland, selected the F-35 for their new fighter programs. Additionally, Denmark received its first F-35 and the Royal Netherlands Air Force became the eighth nation to declare their F-35 fleet ready for initial operational capability. The F-35's operational capabilities continued to advance and further demonstrated its value as the most advanced node in the 21st century battlespace. Last year alone, the F-35 successfully participated in a series of flight tests and exercises, including Project Hydra, Northern Edge, Orange Flag, Talisman Sabre and Flight Test-6.

"The F-35 joint enterprise team continues to provide unmatched combat capability to the 21st century battlespace through the F-35," said Bridget Lauderdale, vice president and general manager of the F-35 program. "Providing unparalleled support to the growing fleet, participating in numerous joint, all-domain exercises and meeting our delivery target during a global pandemic is no small feat while the F-35 was also chosen by Switzerland and Finland as their next fighter."

The F-35's operational performance remains strong. Some of the F-35A deployments and exercises demonstrated over 80% mission capable rates. As one of the most reliable aircraft in the U.S. fighter fleet, 93% of F-35 parts are performing better than predicted.

In the last year, F-35s were part of four base and ship activations and participated in more than 60 deployments and detachments, including the first U.S. Navy F-35C deployment aboard the USS Carl Vinson. During the first deployment of the Royal Navy's flagship HMS Queen Elizabeth as part of the UK's Carrier Strike Group 2021, F-35Bs from the U.S. Marine Corps and Royal Air Force flew nearly 1,300 sorties, more than 2,200 hours and conducted 44 combat missions.

These program achievements are enabled by employing digital technologies, which were vital to achieving 142 deliveries in

2021. Smart tools, connected machines and augmented realities all contribute to the delivery and sustainment of aircraft.

“Lockheed Martin is investing in digital technology that advances the F-35’s 5th Gen capabilities long after delivery,” Lauderdale added. “We’re embracing digital transformation to enable faster development and continuous deployment of software, using digital models and supercomputers to augment physical test data with simulation-based verification, and automating data processes to save time and glean insights that improve sustainment.”

With more than 750 aircraft operating from 30 bases and ships around the globe, the F-35 plays a critical role in the integrated deterrence of the U.S. and its allies. More than 1,585 pilots and 11,545 maintainers are trained and the F-35 fleet has flown nearly 470,000 cumulative flight hours. Nine nations have F-35s operating from a base on their home soil, 12 services have declared initial operational capability and six services have employed F-35s in combat.

Navy Orders Additional TH-73A Helicopters to Train Naval Aviators



A Leonardo TH-73A helicopter. *LEONARDO*

PHILADELPHIA – The newly established partnership between Leonardo and the U.S. Navy on the advanced training of next-generation helicopter pilots grew in December with the U.S. Department of Defense buying an additional 36 TH-73A rotorcraft, with initial spares, for \$159.4 million, the company announced Dec. 22.

This third lot brings the total number of aircraft on order to 104 of the total requirement for 130, with delivery continuing into 2024. The fleet will be used to collectively train student pilots from the U.S. Navy, Marine Corps and Coast Guard, along several NATO allies.

In January 2020, Leonardo, through AgustaWestland Philadelphia Corp., was awarded a firm-fixed-price contract valued at \$176 million for the production and delivery of an initial 32 TH-73A helicopters. The agreement – which included an initial package of spares, support, dedicated equipment, and specific pilot and maintenance training services – was confirmed that following November through the order of a second lot of aircraft through a \$171 million contract modification for an additional 36 helicopters.

All TH-73As will be fully produced at the Leonardo's plant in Philadelphia where the AW119 is exclusively built on an FAA Certified Part 21 production line. The site operates today as a supplier and partner to the U.S. DoD through the TH-73A program for the U.S. Navy, of which Leonardo is prime contractor, in addition to the Boeing MH-139A program for the U.S. Air Force.

Located in Philadelphia since the early 1980s, the plant today employs 700 of Leonardo's 7,000 employees active in the U.S. and has become a Divisional Center of Excellence for production, support, engineering and training activities. The Philadelphia site includes production of the AW119, AW139 and the AW609 tilt-rotor, as well as support, maintenance and repair services. Pilot and maintenance technician training is performed at the training academy, co-located at the same campus as all other U.S. functions, which was inaugurated earlier this year as part of an \$80 million dollar expansion.

A delivery ceremony for the first TH-73A to the U.S. Navy took place in June 2021 in Philadelphia. Based on the IFR instrument flight rules variant of the commercial model AW119Kx, the TH-73A, which will replace the TH-57B/C Sea Ranger first introduced in 1968, is perfectly suited for both initial and advanced training.

Equipped with a powerful and reliable Pratt & Whitney PT-6 engine and characterized by dual safety and hydraulic systems and advanced digital avionics by Genesys Aerosystems, the TH-73 can perform every phase of the U.S. Navy's training program without compromise. The new system will allow the U.S. Navy to upgrade its technologies from analogue to digital and is expected to be in service until after 2050.

The fleet will be based at Naval Air Station Whiting Field in Milton, Florida. After being awarded the initial contract and in order to support the fleet once operational, Leonardo announced plans to build a 100,000 square foot support center

immediately adjacent to NAS Whiting Field in partnership with the City of Milton, Santa Rosa County and Space Florida. Site work has already begun and the facility's completion is expected by the end of 2023.

U.S. Navy Ships Interdict Heroin Worth \$4 Million in Arabian Sea



Two U.S. Navy ships seized 385 kilograms of heroin worth approximately \$4 million from a stateless fishing vessel transiting the Arabian Sea, Dec. 27. *U.S. NAVY*

MANAMA, Bahrain – Two U.S. Navy ships seized 385 kilograms of heroin worth approximately \$4 million from a stateless fishing vessel transiting the Arabian Sea, Dec. 27, Naval Forces

Central Command said Dec. 30.

U.S. Coast Guard personnel embarked aboard USS Tempest (PC 2) and USS Typhoon (PC 5) discovered the illegal shipment while conducting a flag verification boarding in accordance with customary international law. The confiscated drugs were destroyed at sea by U.S. forces.

The coastal patrol ships were operating as part of an international task force called Combined Task Force 150, which has increased regional patrols to locate and disrupt unlawful maritime activity. CTF 150 is one of three task forces under Combined Maritime Forces.

"This latest seizure is a demonstration that CTF 150 and assigned surface and air assets are ready to conduct interdiction operations 365 days a year," said Royal New Zealand Navy Capt. Brendon Clark, commander of CTF 150.

In 2021, CTF 150 has seized illegal drugs worth more than \$193 million (at regional wholesale prices) during counter-narcotics operations at sea. This is a higher total value than the amount of drugs the task force interdicted in the previous four years combined.

"This interdiction highlights the incredible work of our ships and Sailors and serves as a reminder of the value in having forward-deployed naval forces on scene and ready," said Lt. Cmdr. Jordan Bradford, Typhoon's commanding officer, who is from Ocean Springs, Mississippi.

International naval forces operating in support CTF 150 regularly conduct maritime security and counter-terrorism operations at sea outside the Arabian Gulf to disrupt criminal and terrorist organizations and their related illicit activities, including the movement of personnel, weapons, narcotics and charcoal. These efforts help ensure legitimate commercial shipping transits the region free from non-state threats.

“We were able to execute this interdiction safely and with precision due to the tireless efforts of all involved,” said Lt. Cmdr. Matt Intoccia, a native of Collegeville, Pennsylvania, and the commanding officer of Tempest. “I am proud of our collective contribution to regional stability and look forward to more opportunities for operational success.”

The U.S. Navy released the stateless fishing vessel and its nine crew members, who identified themselves as Iranian nationals, after seizing the drugs.

Combined Maritime Forces is the largest multinational naval partnership in the world. The organization includes 34 nations and is headquartered in Bahrain with U.S. Naval Forces Central Command and U.S. 5th Fleet.

Navy Orders 65 Production BQM-177A Aerial Target Drones from Kratos



The Navy's newest subsonic aerial target, BQM-177A, conducts a training test flight from USS Barry (DDG-52) Sept. 9, 2021, off the coast of Japan. *U.S. NAVY*

SAN DIEGO – Kratos Defense & Security Solutions Inc. announced Dec. 28 that its division Kratos Unmanned Aerial Systems has been awarded a \$50.1 million contract modification to a previously awarded firm-fixed-price contract to exercise an option to procure 65 BQM-177A Subsonic Aerial Targets.

The order includes 50 for the Navy, seven for Japan and eight for Saudi Arabia, as well as associated technical and administrative data in support of full rate production lot three. The Naval Air Systems Command, Patuxent River, Maryland, is the contracting activity.

"The Kratos team is incredibly proud to receive this third consecutive full-rate production option award supporting our U.S. Navy customer," said Steve Fendley, president of Kratos Unmanned Systems Division. "We are also excited that 15 of these drone aircraft will support the U.S. government's foreign allies. Throughout the challenges of the last two years, Kratos has remained focused on developing, producing, and delivering target and tactical drone systems to support the established and forecasted customer needs."

U.S. Navy Seizes 1,400 Assault Rifles During Illicit Weapons Interdiction



Illicit weapons seized from a stateless fishing vessel in the North Arabian Sea are arranged for inventory aboard guided-missile destroyer USS O'Kane's (DDG 77) flight deck, Dec. 21. *U.S. NAVY / Mass Communication Specialist Seaman Elisha Smith*
MANAMA, Bahrain – U.S. 5th Fleet ships seized approximately 1,400 AK-47 assault rifles and 226,600 rounds of ammunition from a stateless fishing vessel during a flag verification boarding in accordance with customary international law in the North Arabian Sea, Dec. 20, NAVCENT public affairs said Dec. 22.

U.S. Navy patrol coastal ships USS Tempest (PC 2) and USS

Typhoon (PC 5) found the weapons during a search conducted by embarked U.S. Coast Guard personnel. The illicit weapons and ammunition were later transported to guided-missile destroyer USS O'Kane (DDG 77) where they await final disposition.

The stateless vessel was assessed to have originated in Iran and transited international waters along a route historically used to traffic weapons unlawfully to the Houthis in Yemen. The direct or indirect supply, sale or transfer of weapons to the Houthis violates U.N. Security Council Resolutions and U.S. sanctions.

The vessel's five crew members identified themselves as Yemeni nationals and will be returned to Yemen.

After removing the crew and illicit cargo, U.S. naval forces determined the stateless vessel was a hazard to navigation for commercial shipping and sank it.

U.S. naval forces regularly perform maritime security operations in the Middle East to ensure the free flow of legitimate trade and to disrupt the transport of illicit cargo that often funds terrorism and other unlawful activity. U.S. Navy warships operating in the U.S. 5th Fleet region have seized approximately 8,700 illicit weapons in 2021.

Guided-missile cruiser USS Monterey (CG 61) seized dozens of advanced Russian-made anti-tank guided missiles, thousands of Chinese Type 56 assault rifles, and hundreds of PKM machine guns, sniper rifles and rocket-propelled grenade launchers from a stateless vessel transiting the North Arabian Sea in May.

In February, guided-missile destroyer USS Winston S. Churchill (DDG 81) seized a cache of weapons off the coast of Somalia, including thousands of AK-47 assault rifles, light machine guns, heavy sniper rifles, rocket-propelled grenade launchers and crew served weapons. The inventory also included barrels, stocks, optical scopes and weapon systems.

The U.S. 5th Fleet area of operations encompasses approximately 2.5 million square miles of water area and includes the Arabian Gulf, Gulf of Oman, Red Sea, parts of the Indian Ocean and three critical choke points at the Strait of Hormuz, Suez Canal and Strait of Bab al Mandeb.

16-year-old Sea Cadet Participates in Historic World War II Dive in Pearl Harbor



Sea Cadet Petty Officer 3rd Class Jack Dabb participated in the first dive to USS Utah, submerged in Pearl Harbor for 80 years. *U.S. NAVAL SEA CADET CORPS / Brittany DiPippo*
NEWPORT, Rhode Island – Sixteen-year-old Sea Cadet Petty

Officer 3rd Class Jack Dabb, from Battleship New Jersey (BB-62) Division in Camden, New Jersey, attended a Sea Cadet Leadership Training in Newport and had an opportunity to share a once-in-a-lifetime experience on Dec. 28.

The commanding officer of the training, retired Master Chief Avionics Maintenance Technician (AW/IW) Barry Crawford, realized a rare convergence of history was about to occur and saw an opportunity for Dabb to bring a little of his personal story to his classmates.

Dabb is also the youngest member of the Classic Diving Organization, LLC, and participates in deep-sea dives on historic vessels. In December 2021, just a couple of weeks before attending POLA in Newport, he had the privilege of participating in the first live dive to USS Utah (BB-31), submerged in Pearl Harbor for 80 years. Watch the historic dive: <https://youtu.be/zjQipLBHohU>.

"This leadership training event in Newport is held at Tomich Hall, which is where the U.S. Navy teaches advanced leadership to senior enlisted members of the military. The school's namesake refers to Chief Watertender Peter Tomich, who posthumously received the Medal of Honor for his actions on board USS Utah on Dec. 7, 1941," said Crawford.

Tomich and his fellow shipmates remain entombed onboard Utah. Still, Tomich is credited with saving the lives of hundreds of men through his heroic and selfless actions. For the Chief Petty Officers, Tomich is an iconic hero of our Navy's past we reference when developing the leaders of today."



Sea Cadet Dabb during the dive to the USS Utah. *SEA CADETS*

With cooperation between the U.S. Navy and the National Park Service, the Classic Diving Organization chose Dabb to participate in this rare event. Watch Dabb on Facebook live on Dec. 28, 2021 at 1 p.m. EST, [share his diving experience](#).

“Jack was selected to participate as a crew member and safety diver for the USS Utah live dive broadcast with the National Park Service due to his vast experience with the MK-V diving apparatus,” said U.S. Navy Master Diver John Hopkins, Jr., and co-founder of the Classic Diving Organization, who is stationed at Hickam Air Force Base in Pearl Harbor.

“Jack was an important team member, and with his assistance, it made the event so much easier. This event was to bring back attention to the salvage efforts that took place after the attack on Dec. 7, 1941. This was the first live dive event for Utah, and it was the final piece for the remembrance events for the 80th anniversary of the attack.”

Hopkins added that Dabb has participated with the diving organization on other events in the past.

“He flawlessly folded into our team, and all of us, including the Park Service personnel, appreciated his time, effort, and great work ethic. It is always a joy to work with Jack, and I look forward to working with him again in the future,” said Hopkins.

Crawford added that having the opportunity to present pictures and Dabb’s experience diving to USS Utah and inside Tomich Hall was amazing.

“The faculty assigned to the U.S. Navy Senior Enlisted Academy were invited to the presentation, making a rare connection to things they walk by each day at work,” said Crawford. “Chief Tomich’s Medal of Honor, citation from President Roosevelt, and relics from Utah are on the hallowed quarterdeck at Tomich Hall.”

Crawford added that thousands of Navy leaders have walked by these cherished objects and could only imagine what Tomich sacrificed for his shipmates. “And here we have this 16-year-old Sea Cadet who saw it and shared it with us. What a great experience for us and the 85 participants of POLA Newport 2021.”

What does Dabb think about all this? “Diving on the USS Utah was an experience like no other. I truly can never express what this opportunity means to me because it was so monumental. It made me realize that without history, we have no future.”

For more information about U.S. Naval Sea Cadet Corps, visit www.seacadets.org.

Advanced Weapons Elevators Completed Aboard USS Gerald R. Ford



The aircraft carrier USS Gerald R. Ford (CVN 78) departed Naval Station Norfolk to make the transit to Newport News Shipyard in support of its planned incremental availability, a six-month period of modernization, maintenance, and repairs, Aug. 20. *U.S. NAVY / Mass Communication Specialist 1st Class Ryan Seelbach*

WASHINGTON – On Dec. 22, the 11th and final advanced weapons elevator aboard USS Gerald R. Ford (CVN 78) was turned over to the ship's crew, according to Program Executive Office Aircraft Carriers public affairs.

AWEs on this first-of-class aircraft carrier operate using several advanced technologies, including electromagnetic motors instead of more labor intensive, hydraulic systems. The advanced technology enables fewer sailors to safely move ordnance from weapons magazines to the flight deck with unparalleled speed and agility.

"This is a significant milestone for the Navy, ship, and her crew," said Rear Adm. James P. Downey, Program Executive

Officer for Aircraft Carriers. "With completion of this final AWE, we now have the entire system to operate and train with."

Downey added the Navy-industry AWE team worked tirelessly in port and at sea to complete the elevators to ensure the availability of needed materials and engineering expertise. Multiple vendors have collaborated along the way to ensure seamless support to multi-shift, shipboard production efforts.

"The Navy-industry teaming provided the opportunities for hundreds of craftsmen, technicians and engineers, working around the clock – through multiple underway and holiday periods – to get these advanced systems on line and operational," said Downey.

The team logged the milestone in the midst of the ship's six-month planned incremental availability at Huntington Ingalls Industries-Newport News Shipbuilding facility in Hampton Roads, Virginia. Gerald R. Ford is scheduled to complete the PIA this spring, followed by training and deployment.

"The end game is always operational readiness," added Downey, "and Ford is on track to complete this PIA on schedule, conduct sea trials, and to move on to follow-on tasking."